

**Bharati Vidyapeeth (DTU) Medical College Pune**  
**III MBBS Part I Academic Calendar 2020-21 Batch (VI and VII sem.) (9<sup>th</sup> January 2023 to 28<sup>th</sup> October 2023)**

January						February					March					April					May					June					
Sun	1	8	15	22	29		5	12	19	26		5	12	19	26		2	9	16	23	30		7	14	21	28		4	11	18	25
Mon	2	9	16	23	30		6	13	20	27		6	13	20	27		3	10	17	24	1	8	15	22	29		5	12	19	26	
Tue	3	10	17	24	31		7	14	21	28		7	14	21	28		4	11	18	25		2	9	16	23	30		6	13	20	27
Wed	4	11	18	25	1	8	15	22	1	8	15	22	29		5	12	19	26		3	10	17	24	31		7	14	21	28		
Thu	5	12	19	26	2	9	16	23	2	9	16	23	30		6	13	20	27		4	11	18	25	1	8	15	22	29			
Fri	6	13	20	27	3	10	17	24	3	10	17	24	31		7	14	21	28		5	12	19	26	2	9	16	23	30			
Sat	7	14	21	28	4	11	18	25	4	11	18	25		1	8	15	22	29		6	13	20	27	3	10	17	24				
T. weeks	1	2	3	4		5	6	7	8		9	10	11	12		13	14	15	16		17	18	19	20	21		22	23	24	25	

July						August					September					October					November					December						
Sun		2	9	16	23	30		6	13	20	27		3	10	17	24	1	8	15	22	29		5	12	19	26		3	10	17	24	31
Mon		3	10	17	24	31		7	14	21	28		4	11	18	25	2	9	16	23	30		6	13	20	27		4	11	18	25	
Tue		4	11	18	25	1	8	15	22	29		5	12	19	26	3	10	17	24	31		7	14	21	28		5	12	19	26		
Wed		5	12	19	26	2	9	16	23	30		6	13	20	27	4	11	18	25		1	8	15	22	29		6	13	20	27		
Thu		6	13	20	27	3	10	17	24	31		7	14	21	28	5	12	19	26		2	9	16	23	30		7	14	21	28		
Fri		7	14	21	28	4	11	18	25	1	8	15	22	29	6	13	20	27		3	10	17	24	1	8	15	22	29				
Sat	1	8	15	22	29	5	12	19	26	2	9	16	23	30	7	14	21	28		4	11	18	25	2	9	16	23	30				
T. weeks	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42															

Holiday
  Exams

**Teaching: VI sem. -9<sup>th</sup> January 2023-24<sup>th</sup> June 2023; VII sem. -10<sup>th</sup> July 2023-28<sup>th</sup> October 2023**

**Exams:**

**VI sem.-27<sup>th</sup> June-8<sup>th</sup> July 2023;**

**Prelims -30<sup>th</sup> October 2023-10<sup>th</sup> November 2022;**

**Remedial Exam-24<sup>th</sup> November 2023-28<sup>th</sup> November 2023;**

**University exam: 11<sup>th</sup> Dec.2023-28<sup>th</sup> Dec.2023;**

**Supplementary Prelim: Last week January 2024**

**Supplementary University Exam-third week of February 2024**

*M. K. M. K.*

**PRINCIPAL**  
**Bharati Vidyapeeth**  
**(Deemed to be University)**  
**Medical College**  
**Pune - 411 043**

**BHARATI VIDYAPEETH (Deemed to Be University) MEDICAL COLLEGE PUNE**  
**III MBBS Part I: 2020-2021 Batch: VI sem: Teaching Time table: 9<sup>th</sup> Jan.2023-24<sup>th</sup> June 2023**

Day	8.30-9.30am	9.30am-12.30pm	12.30-1.30pm	1.30-2.30pm	2.30-4.30pm
<b>Monday</b>	L-Medicine (23)	Clinics	Lunch	L-Community Medicine (23)	SGT- Community Medicine (23)
<b>Tuesday</b>	L-Surgery (23)	Clinics	Lunch	L-Psychiatry (24)	SGT-FMT (odd dates 11 weeks) & ENT (even dates-13 weeks)
<b>Wednesday</b>	L-ENT (23)	Clinics	Lunch	*L-Radiology (10) L-Anesthesia (08) L-OB/GY (05)	SGT-Ophthalm (23)
<b>Thursday</b>	L-Ophthalm (23)	Clinics	Lunch	SGT-OB/GY (22)	** SGT-Surgery (18 weeks), L-Surgery (2+exam)
<b>Friday</b>	L-FMT (23)	Clinics	Lunch	#AETCOM-Community Medicine, FMT, Ophthalm, ENT	## SGT-Medicine (18 weeks) SGT-Pediatrics (5 weeks)
<b>Saturday</b>	§SDL(hrs)-Medicine (5), Surgery (5), Anesthesia (2), Pediatrics(5),Ortho.(5)	Clinics	Lunch	@ SDL-CM and Pandemic module-CM	

\* L-Radio-11 Jan-15 march; L-Anaesthesia-25 Mar-17 May; L-Ob/Gy-24May-21 June

\*\* SGT -surgery +remaining lecture+Exam

# AETCOM-CM, FMT, Ophthalm., ENT-upto 23<sup>rd</sup> June

## SGT-Medicine-up to 19<sup>th</sup> May; SGT-Pediatrics up to 23<sup>rd</sup> June

§ SDL-Medicine-13Jan-10 Feb; Surgery-17<sup>th</sup> Feb.-17<sup>th</sup> March; Anaesthesia-24<sup>th</sup> March-31<sup>st</sup> March; Pediatrics-7<sup>th</sup> April -12<sup>th</sup> May; Ortho.19<sup>th</sup> May-9<sup>th</sup> June

@ SDL-CM upto 11<sup>th</sup> Feb, there after pandemic module

**Figures in bracket indicates number of TL activities of Lect/SDL unless mentioned in weeks for SGT**

*Principals*

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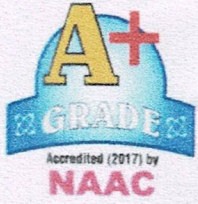
**BHARATI VIDYAPEETH (Deemed to Be University) MEDICAL COLLEGE PUNE, Pune**  
**III MBBS Part I: 2020-21 batch : VII sem: Teaching Time table : 10<sup>th</sup> July 2023-28<sup>th</sup> Oct.2022**

Day	8.30.-9.30	9.30-12.30	12.30-1.30pm	1.30-2.30	2.30-4.30
<b>Monday</b>	<sup>a</sup> L- Medicine (2+E), L-Resp. Med. (10)	Clinic	Lunch	L-Community Medicine (16)	<sup>b</sup> SGT-Radiodiagnosis (4 weeks), SDL-Radiodiagnosis (1 wk) SGT-Community Medicine (7 wks) ,SGT Derma (3 wks)
<b>Tuesday</b>	L-Orthopedics (12+exam)	Clinic	Lunch	<sup>c</sup> L-Psychiatry (01)/ Derma (12)	<sup>d</sup> SGT- FMT (7 weeks) & ENT (6 wks)
<b>Wednesday</b>	<sup>e</sup> L-ENT (3)/L-Pediatrics (12)	Clinic	Lunch	L-OB/GY (15)	<sup>f</sup> L-Derma (4wks) SGT-Ophthalm. (7 wks) SGT Med.(4wks)
<b>Thursday</b>	<sup>g</sup> L-Ophthalm (08), SDL-Ophthalm (8wks)	Clinic	Lunch	L-OB/GY (3), SGT-OBGY (13)	<sup>h</sup> SGT- Anesthesia (5 wks), SGT-Orthopedics (10 wks), SGT-Resp. Medicine (1 wk).
<b>Friday</b>	FMT-Lecture (2), SGT (5 wks) and SDL (5 hours)	Clinic	Lunch	<sup>i</sup> AETCOM (ENT), SDL-OBGY (5), Psychiatry (5+E)	<sup>i</sup> SGT-Pediatrics (10 wks), SGT-Psychiatry (3 wks)
<b>Saturday</b>	<sup>k</sup> L- Pediatrics(8+Exam) SDL-ENT (5) SDL-Resp. Med. (2)	Clinic		<sup>j</sup> L-OB/GY (2) + exam, L- surgery (1), L-Ortho (3), L-CM (1); Exam-Radio, Exam- Anaesthesia.	<sup>m</sup> SDL-Derma (3 wks-5hrs); SDL Ophthalm. (1 wk); SGT ENT(1wk)

- a** L-Medicine-10<sup>th</sup> July-24<sup>th</sup> July with exam; L-Resp. Medicine -31<sup>st</sup> July-2<sup>nd</sup> October
- b** SGT-Radio 10<sup>th</sup> July-31<sup>st</sup> July; SDL-Radio-7<sup>th</sup> Aug; SGT-Community Medicine-14<sup>th</sup> Aug.-25<sup>th</sup> Sept; SGT-Derma-2<sup>nd</sup> Oct-16<sup>th</sup> Oct
- c** L-Psychiatry-11<sup>th</sup> July; L-Derma-18<sup>th</sup> July-17<sup>th</sup> Oct
- d** SGT- FMT odd dates (7 weeks) &ENT even dates (6 weeks)
- e** L-ENT-12<sup>th</sup> July -26<sup>th</sup> July; L-Pediatrics-2<sup>nd</sup> Aug. -25<sup>th</sup> Oct.
- f** L-Derma-12<sup>th</sup> July -2<sup>nd</sup> Aug.; SGT-Ophthalm. -9<sup>th</sup> Aug -27<sup>th</sup> Sept; SGT Resp. Med 4<sup>th</sup> Oct-25<sup>th</sup> Oct.
- g** L-Ophthalm-13<sup>th</sup> July- 31<sup>st</sup> August; SDL-Ophthalm-7<sup>th</sup> Sept.-26<sup>th</sup> Oct., pending SGT-Ophthalm. (1 week) SDL 5 hrs
- h** SGT- Anesthesia-13<sup>th</sup> July-10<sup>th</sup> Aug; SGT-Orthopedics-17<sup>th</sup> Aug.-19<sup>th</sup> Oct.; SGT-Respiratory Medicine-26<sup>th</sup> Oct.
- i** AETCOM (ENT); SDL-OBGY 21<sup>st</sup>July-18<sup>th</sup>Aug; SDL-Psychiatry-25<sup>th</sup> Aug-6<sup>th</sup> Oct
- j** SGT-Pediatrics-14<sup>th</sup> July-15<sup>th</sup>Sept.; SGT-Psychiatry-22<sup>nd</sup> Sept.-13<sup>th</sup> Oct.
- k** L- Pediatrics 15<sup>th</sup> July- 9<sup>th</sup>Sept; SDL-ENT-16<sup>th</sup> Sept-14<sup>th</sup> Oct; Resp. Med. 21<sup>st</sup> Oct-28<sup>th</sup> Oct
- l** L-ObGY-15<sup>th</sup>-29<sup>th</sup> July; L-Surgery-5<sup>th</sup>Aug.; L-Ortho.12<sup>th</sup>-26<sup>th</sup> Aug.; L-CM-2<sup>nd</sup> sept. Exam-Radio-9<sup>th</sup> sept; Exam Anaesthesia16<sup>th</sup> Sept
- m** SDL-Derma-15<sup>th</sup> July-29<sup>th</sup> July; SDL Ophthalm. -5<sup>th</sup> Aug.; SGT ENT-12<sup>th</sup> Aug.;

Available slots Mon: 8:30-9:30 am : 9<sup>th</sup>-23<sup>rd</sup> Oct & Mon:2:30-4:30pm 23<sup>rd</sup> Oct

*K. S. Kulkarni*  
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**MEDICAL COLLEGE, PUNE**

PUNE -SATARA ROAD, PUNE - 411 043.



**III M.B.B.S (Part I) Batch: 2020-21**

**Roll Nos.: 01 to 150**

**CLINICAL POSTING SCHEDULE: Time: 9.30 am to 12.30**

**Posting Period: 09/01/2023 to 15/04/2023:**

**Anes: 2, EMD: 2, Psy:2, DER:2, CM:2, ENT+Opth: 1+1=2, Ortho+Ped:1+1: 2 =14**

VI Semester: Posting Period	Anes	EMD	PSY	Der	CM	ENT	Opth	Ortho	Pediatrics
09/01/2023 TO 14/01/2023	A	B	C	D	E	F1	F2	G1	G2
16/01/2023 TO 21/01/2023						F2	F1	G2	G1
23/01/2023 TO 28/01/2023	B	C	D	E	F	G1	G2	A1	A2
30/01/2023 TO 04/02/2023						G2	G1	A2	A1
06/02/2023 TO 11/02/2023	C	D	E	F	G	A1	A2	B1	B2
13/02/2023 TO 18/02/2023						A2	A1	B2	B1
20/02/2023 TO 25/02/2023	D	E	F	G	A	B1	B2	C1	C2
27/02/2023 TO 04/03/2023						B2	B1	C2	C1
06/03/2023 TO 11/03/2023	E	F	G	A	B	C1	C2	D1	D2
13/03/2023 TO 18/03/2023						C2	C1	D2	D1
20/03/2023 TO 25/03/2023	F	G	A	B	C	D1	D2	E1	E2
27/03/2023 TO 01/04/2023						D2	D1	E2	E1
03/04/2023 TO 08/04/2023	G	A	B	C	D	E1	E2	F1	F2
10/04/2023 TO 15/04/2023						E2	E1	F2	F1

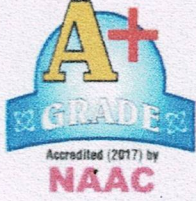
**Batches:**

A: 1 to 22	A1: 1 to 11	A2: 12 to 22
B: 23 to 44	B1: 23 to 33	B2: 34 to 44
C: 45 to 66	C1: 45 to 55	C2: 56 to 66
D: 67 to 88	D1: 67 to 77	D2: 78 to 88
E: 89 to 110	E1: 89 to 99	E2: 100 to 110
F: 111 to 132	F1: 111 to 121	F2: 122 to 132
G: 133 to 150 +R	G1: 133 to 141	G2: 142 to 150 +R

*M. S. ...*

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**III M.B.B.S (Part I) CLINICAL POSTING SCHEDULE : Time: 9.30 am to 12.30**  
**Roll Nos.: 01 to 150**

**Posting Period: 17 /04/2023 to 28/10/2023**

**Med: 3, Surg: 3, Obgy:3, CM:3+1 , ENT:3, OPTH:3, ORTH: 3, PED:3=25 wks**

VI Semester: Posting Period 17/04/2023 to 22/4/2023	Community Medicine							
VI Semester: Posting Period	Med	Surg	Obgy	CM	ENT	OPTH	ORTH	PED
24/04/2023 TO 13/05/2023	A	B	C	D	E	F	G	H
15/05/2023 TO 03/06/2023	B	C	D	E	F	G	H	A
05/06/2023 TO 24/06/2023	C	D	E	F	G	H	A	B

**VI Semester Ending Examination: Theory and Practical: 26/06/2023 to 08/07/2023**


**VII Semester**

10/07/2023 to 29/07/2023	D	E	F	G	H	A	B	C
31/07/2023 to 19/08/2023	E	F	G	H	A	B	C	D
21/08/2023 to 09/09/2023	F	G	H	A	B	C	D	E
11/09/2023 to 30/09/2023	G	H	A	B	C	D	E	F
02/10/2023 to 21/10/2023	H	A	B	C	D	E	F	G

**23/10/2023 to 28/10/2023: Revision: ENT +Ophthalmology +CM+FMT**

**Batches:**

A: 1 to 18
B: 19 to 36
C: 37 to 54
D: 55 to 72
E: 73 to 90
F: 91 to 108
G: 109 to 126
H: 127 to 150

  
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**BHARATI VIDYAPEETH (DEEMED TO BE) UNIVERSITY MEDICAL COLLEGE,  
PUNE**

**III MBBS Part I (Admission BATCH – 2020-21)  
VI sem. Internal Assessment Time-Table (27<sup>th</sup> June -8<sup>th</sup> July 2023)**

<b>Theory Examination</b>				
<b>Date</b>	<b>Day</b>	<b>Time</b>	<b>Subject</b>	<b>Marks</b>
27/06/2023	Tuesday	1 to 4 PM	Community Medicine	100
28/06/2023	Wednesday	1 to 4 PM	FMT	100
29/06/2023	Thursday	1 to 4 PM	ENT	100
30/06/2023	Friday	1 to 4 PM	Ophthalmology	100

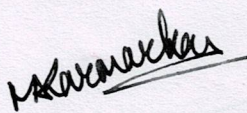
**Practical Examination including Viva**

Time-9am onwards; Marks: [70(Practical)+ 30(Viva)+25(JLB)] = 125 Marks

<b>Date</b>	<b>Day</b>	<b>CM</b>	<b>FMT</b>	<b>ENT</b>	<b>Ophthalm.</b>
03/07/2023	Monday	A	B	C	D
04/07/2023	Tuesday	B	C	D	E
05/07/2023	Wednesday	C	D	E	F
06/07/2023	Thursday	D	E	F	A
07/07/2023	Friday	E	F	A	B
08/07/2023	Saturday	F	A	B	C

<b>Practical batches:</b>	<b>Roll no.s</b>
A	1 to 25
B	26 to 50
C	51 to 75
D	76 to 100
E	101 to 125
F	126 to 150

- Note: (1) Attendance is compulsory for all the examinations  
(2) Scores of all these examinations contribute towards internal assessment  
(3) Syllabus for the examinations will be declared by respective departments.

  
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PUNE**

III MBBS Part I (Admission BATCH - 2020)

**VII sem. Prelim Theory Examination Time table (30<sup>th</sup> Oct 2023-10<sup>th</sup> Nov 2023)**

<b>Theory Examination</b>				
<b>Date</b>	<b>Day</b>	<b>Time</b>	<b>Subject</b>	<b>Marks</b>
30/10/2023	Monday	1 to 4 PM	Community Medicine paper I	100
31/10/2023	Tuesday	1 to 4 PM	Community Medicine paper II	100
1/11/2023	Wednesday	1 to 4 PM	FMT	100
02/11/2023	Thursday	1 to 4 PM	ENT	100
03/11/2023	Friday	1 to 4 PM	Ophthalmology	100

**Practical Examination including Viva**

Time-9am onwards; Marks: [70(Practical)+ 30(Viva)+25(JLB)] = 125 Marks

<b>Date</b>	<b>Day</b>	<b>CM</b>	<b>FMT</b>	<b>ENT</b>	<b>Ophthalm.</b>
4/11/2023	Saturday	A	B	C	D
6/11/2023	Monday	B	C	D	E
7/11/2023	Tuesday	C	D	E	F
8/11/2023	Wednesday	D	E	F	A
9/11/2023	Thursday	E	F	A	B
10/11/2023	Friday	F	A	B	C

<b>Practical batches:</b>	<b>Roll no.s</b>
A	1 to 25
B	26 to 50
C	51 to 75
D	76 to 100
E	101 to 125
F	126 to 150

- Note: (1) Attendance is compulsory for all the examinations  
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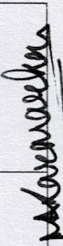
- Remedial Exam-24<sup>th</sup> November 2023-28<sup>th</sup> November 2023
- University exam: 11<sup>th</sup> Dec.2023-28<sup>th</sup> Dec.2023
- Supplementary Prelim: Last week January 2024
- Supplementary University Exam-third week of February 2024

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**Bharati Vidyapeeth DTU Medical College, Pune**

**III MBBS Part I : CBME admission batch 2020-21: Total Teaching hours**

Subject	Lecture			SGT			SDL			AETCOM			Clinical Posting (weeks) Total
	VI sem	VII sem	Total	VI sem	VII sem	Total	VI sem	VII sem	Total	VI sem	VII sem	Total	
Medicine	23	2	25	35	0	35	5	0	5	0	0	0	3
Resp medicine	0	10	10	0	8	8	0	2	2	0	0	0	
Surgery	24	1	25	35	0	35	5	0	5	0	0	0	3
Ortho	0	15	15	0	20	20	4	1	5	0	0	0	4
Pediatrics	0	20	20	10	20	30	5	0	5	0	0	0	4
ENT	22	3	25	26	14	40	0	5	5	0	5	5	4
Ophthalm	22	8	30	46	14	60	0	10	10	5	0	5	4
FMT	23	2	25	22	23	45	0	5	5	10	0	10	
CM	23	17	40	46	14	60	5	0	5	5	0	5	6
Dermat	0	20	20	0	5	5	0	5	5	0	0	0	2
Psy	24	1	25	0	10	10	0	5	5	0	0	0	2
Radio	10	0	10	0	8	8	0	2	2	0	0	0	
Anaesthesia	8	0	8	0	10	10	2	0	2	0	0	0	2
OBGY	5	20	25	22	13	35	0	5	5	0	0	0	3
casualty	0	0	0	0	0	0	0	0	0	0	0	0	2
FMT/CM/ ENT/Ophthalm													1
hours	184	119	303	242	159	401	26	40	66	20	5	25	40
<b>Total hours</b>													
Lecture	SGT			SDL			AETCOM			Clinical Posting (40 wks* 6 days* 3 hrs=720 hrs)			Total hours
303	401			66			19+6= 25			720			1515

  
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**III MBBS Part I : CBME admission batch 2020-21: Total Teaching hours**

Subject	lecture			SGT			SDL			AETCOM			Clinical Posting (weeks)
	VI sem	VII sem	Total	VI sem	VII sem	Total	VI sem	VII sem	Total	VI sem	VII sem	Total	Total
Medicine	23	2	25	35	0	35	5	0	5	0	0	0	3
Resp medicine	0	10	10	0	8	8	0	2	2	0	0	0	
Surgery	24	1	25	35	0	35	5	0	5	0	0	0	3
Ortho	0	15	15	0	20	20	4	1	5	0	0	0	4
Pediatrics	0	20	20	10	20	30	5	0	5	0	0	0	4
ENT	22	3	25	26	14	40	0	5	5	0	5	5	4
Ophthalm	22	8	30	46	14	60	0	10	10	5	0	5	4
FMT	23	2	25	22	23	45	0	5	5	10	0	10	
CM	23	17	40	46	14	60	5	0	5	5	0	5	6
Dermat	0	20	20	0	5	5	0	5	5	0	0	0	2
Psy	24	1	25	0	10	10	0	5	5	0	0	0	2
Radio	10	0	10	0	8	8	0	2	2	0	0	0	
Anaesthesia	8	0	8	0	10	10	2	0	2	0	0	0	2
OBGY	5	20	25	22	13	35	0	5	5	0	0	0	3
casualty	0	0	0	0	0	0	0	0	0	0	0	0	2
FMT/CM/ ENT/Ophthalm hours	184	119	303	242	159	401	26	40	66	20	5	25	40
<b>Total hours</b>													
Lecture	SGT			SDL			AETCOM			Clinical Posting (40 wks* 6 days* 3 hrs=720 hrs)			Total hours
303	401			66			19+6= 25			720			1515


*(Signature)*

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**Bharati Vidyapeeth**  
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**Medical College**  
**Pune - 411 043**

**Bharati Vidyapeeth Deemed To Be University Medical College Pune**  
**III MBBS: Part I**  
**VI and VII Semester**

**DEPARTMENT OF MEDICINE**  
**Lectures Schedule: Duration: One hr/Lecture**

Lecture no.	Topic	Content	Competency	Integration
1	Medical problems in old age	<ol style="list-style-type: none"> <li>1. Disease susceptibility &amp; comorbidities: DM, HTN, osteoporosis, Atherosclerosis: (Ischemic heart disease, stroke, peripheral vascular disease) ,recurrent infections, prolonged recovery, drug intolerance, problems with polytherapy</li> <li>2. Disabilities &amp; Recurrent falls: risk factors, multidisciplinary approach ,assessment and management, balance exercises, physiotherapy, walking aids, hearing aids</li> <li>3. Anorexia &amp; malnutrition: causes, clinical manifestations, nutritional supplementation</li> <li>4. Urinary problems :overflow incontinence ,prostate enlargement (males) stress and urge incontinence (females)</li> <li>5. Neuropsychiatric :sleep disorders, cognitive impairment, Delirium ; assesment of causes , management</li> </ol> <p>Screening in elderly, exercise, nutrition</p>	CM12.1 CM12.2 CM12.3 CM12.4	CM

  
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2	Leptospirosis	<ol style="list-style-type: none"> <li>1. Know etiological agent of leptospirosis- 3 R's of leptospirosis-Rats,Rains and Rice fields</li> <li>2. Learn epidemiology and transmission-contaminated animal urine usually by rodents ,as epidemic, endemic, or sporadic.</li> <li>3. Describe main clinical features of leptospirosis including fever,rash,systemic symptoms, jaundice, reduced urine output, shock etc</li> <li>4. Know about Weil's disease (severe icteric form of leptospirosis).</li> <li>5. Diagnosis –MAT(microscopic agglutination test),Blood and CSF cultures</li> <li>6. Learn treatment and prophylaxis of mild and moderate, severe leptospirosis (ceftriaxone,doxycycline).</li> </ol>	IM25.1, IM 25.2, IM25.3, IM25.4, IM25.5, IM25.8	
3	HIV Part 1	<ol style="list-style-type: none"> <li>1. Epidemiology Etiopathogenesis of HIV infection</li> <li>2. Transmission of HIV infection- Sexual, Parenteral, Vertical</li> <li>3. DIAGNOSIS OF HIV- Tridot, ELISA, Western Blot, p24 Antigen assay</li> <li>4. Initial Evaluation of HIV patient-general physical examination and investigations CD4 count CHEST X RAY, viral load, viral resistance test etc.</li> </ol>	IM6.3, IM6.7, IM6.9	Microbiology, PSM
4	HIV II	<ol style="list-style-type: none"> <li>1. Complication of HIV infection and discuss opportunistic infections and malignancies</li> <li>2. What is AIDS and AIDS defining conditions.</li> <li>3. Treatment of HIV patient- discuss HAART and treatment complications. Prophylaxis from HIV infections</li> </ol>	IM6.1, IM6.2, IM6.4, IM6.5, IM6.6, IM6.10, IM6.16, IM6.17, IM6.18	Pharmacology, PSM
5	PUO	<ol style="list-style-type: none"> <li>1. To know the definition &amp; criteria of PUO</li> <li>2. Know about types of PUO</li> <li>3. Etiopathogenesis</li> <li>4. To understand (PDC's) potentially diagnostic clues through proper history taking, examination &amp; investigations about possible etiology.</li> </ol>	IM4.8, IM4.4, IM4.5, IM4.9, IM4.11, IM4.12	

		<p>5. To discuss different diagnostic tests which may be needed to arrive at diagnosis</p> <p>Management of PUO- supportive Rx, cooling measures, antipyretics and specific treatment as per cause</p>		
6	Rickettsial Diseases	<ol style="list-style-type: none"> <li>1. Etiopathogenesis of rickettsial fever</li> <li>2. Vectors associated with transmission rickettsial fever</li> <li>3. Explain RMSF (Rocky Mountain Spotted Fever), Scrub typhus, Murine typhus and their mode of transmission and their signs and symptoms.</li> <li>4. Evaluation of patient of suspected rickettsial fever and investigations for diagnosis- indirect immunofluorescence and PCR., importance and interpretation of Weil Felix test</li> <li>5. Treatment of rickettsia- doxycycline , tetracycline and chloramphenicol.</li> </ol>		
7	Herpes simplex, zoster and chickenpox	<p>At the end of lecture student should be able to know</p> <p>Similarity between the herpes zoster and chicken pox i.e. reactivation of varicella virus .</p> <ol style="list-style-type: none"> <li>1. To know the causative agent of the herpes zoster - DNA virus <p>To know the pathology of infection - virus remains dormant in dorsal root or other sensory ganglia to activate later .</p> </li> <li>2. To know the most common organ systems involved : CNS, optical system . ramsay hunt syndrome , auditory system.</li> <li>3. To know the most common risk factors.: immuno-compromised states e.g. HIV</li> <li>4. To know different clinical phases of illness : i.e. pre-eruptive, acute eruptive, chronic phase</li> <li>5. To arrive at the diagnosis using clinical and laboratory parameters : <p>Like painful skin lesions and direct fluorescent antibody testing (DFA), PCR assay.</p> </li> <li>6. To know the treatment of the infection : symptomatic and specific which depends upon hosts immune status</li> </ol>		
8	COVID-19	<ol style="list-style-type: none"> <li>1. Etiology and epidemiology</li> </ol>		

		<ol style="list-style-type: none"> <li>2. Pathogenesis – inflammation, thrombosis</li> <li>3. Concept of quarantine</li> <li>4. Concept of isolation</li> <li>5. Treatment modalities– drugs and therapeutics</li> </ol> <p>Vaccines in COVID-19</p>		
<b>9</b>	Adult immunization	<ol style="list-style-type: none"> <li>1. Types of Immunisation – Active - Passive</li> <li>2. Different routes of vaccine administration</li> <li>3. Recommended immunization schedule</li> <li>4. Vaccination for health care workers and before splenectomy</li> <li>5. Post exposure immunization</li> <li>6. Vaccination for travelers.</li> </ol>		
<b>10</b>	Introduction To Cardiovascular System And Clinical Examination	<ol style="list-style-type: none"> <li>1. Know five cardinal cardiac symptoms: Chest pain, breathlessness, palpitations syncope, edema</li> <li>2. NYHA classification</li> <li>3. General examination: Pulse, Blood pressure, JVP and pulse waveform, Pedal odema, cyanosis, clubbing, skin eg. xanthelesma.</li> <li>4. Systemic Examination: <ol style="list-style-type: none"> <li>a) Inspection :- Chest deformities, Apex impulse (position and character), scars , visible pulsations etc.</li> <li>b) Palpation: – Apex, P2, Parasternal heave, thrill etc</li> <li>c) Percussion:- Heart borders to define cardiac size</li> <li>d) Auscultation: <ol style="list-style-type: none"> <li>- Areas (mitral ,aortic tricuspid, pulmonary, neo aortic)</li> <li>- Normal heart sounds character , intensity</li> <li>- Adventitious sounds: opening snaps clicks.</li> <li>- Murmurs :Intensity, character, propagation, systolic /diastolic</li> </ol> </li> </ol> </li> </ol>	IM1.11, IM1.12, IM1.13, IM1.14, IM1.15	
<b>11</b>	Acute Rheumatic Fever	<ol style="list-style-type: none"> <li>1. Organism (Group A Streptococci)</li> <li>2. Epidemiology –(Which Age Is Affected)</li> <li>3. Clinical Presentation – Involvement Of Heart (Pancarditis), Joint (Migratory Polyarthritits) Skin (Erythema Marginatum), Chorea &amp; Subcutaneous Nodules.</li> <li>4. Revised Jones Criteria To Diagnose Acute Rheumatic Fever</li> <li>5. Importance Of ASO And CRP Titers In Diagnosing ARF</li> </ol>	IM1.3, IM1.9, IM1.27	

		6. Management – Salicylates, NSAIDS and Antibiotic (Dose, Duration)		
12	Valvular Heart Disease -Part I	<p>Mitral Stenosis –</p> <ol style="list-style-type: none"> <li>1. Etiology of Ms</li> <li>2. Pathophysiology of MS</li> <li>3. Clinical Features <ol style="list-style-type: none"> <li>a) Symptoms</li> <li>b) Physical Findings</li> <li>c) Auscultatory Findings Including D/D of MDM</li> </ol> </li> <li>4. Rx- Medica , Surgical (Indication &amp; Names )</li> </ol>		
13	Valvular Heart Disease Part II	<p>Mitral Regurgitation</p> <ol style="list-style-type: none"> <li>1. Etiology Of Acute &amp; Chronic MR</li> <li>2. Pathophysiology Of Acute &amp; Chronic MR</li> <li>3. Clinical Features <ol style="list-style-type: none"> <li>a) Symptoms</li> <li>b) Physical Findings</li> <li>c) Auscultatory Findings</li> </ol> </li> <li>4. Relevant Investigations For MR <ul style="list-style-type: none"> <li>• Rx For MR – Medical, Surgical – Indication &amp; Names)</li> </ul> </li> </ol> <p>MVP</p> <ol style="list-style-type: none"> <li>1. Know Various Names Of MVP</li> <li>2. Etiopathogenesis For MVP</li> <li>3. Clinical Features <ol style="list-style-type: none"> <li>a. Symptoms</li> <li>b. Auscultatory Findings</li> </ol> </li> <li>4. Investigations For MVP</li> </ol> <p>Aortic Stenosis-</p> <ol style="list-style-type: none"> <li>1. Etiology Of As</li> <li>2. Pathophysiology Of As</li> <li>3. Clinical Features <ol style="list-style-type: none"> <li>a. Symptoms (Syncope ,Angina , Dyspnoea)</li> <li>b. Physical Findings</li> <li>c. Auscultatory Findings</li> </ol> </li> </ol> <p>Investigations For AS</p> <p>Aortic Regurgitation-</p> <ol style="list-style-type: none"> <li>1. Causes Of AR</li> <li>2. Pathophysiology Of AR</li> <li>3. Clinical Features <ol style="list-style-type: none"> <li>a. Physical Findings –Especially Various Signs - Peripheral</li> <li>b. Auscultatory Findings</li> <li>c. Criteria To Determine Severity Of AR</li> </ol> </li> <li>4. Investigations For AR –Rule Of 55</li> <li>5. Rx For AR – Medical Surgical –(Indication And Names)</li> </ol>		

14	Infective Endocarditis	<ol style="list-style-type: none"> <li>1. Causative Organism For Infective Endocarditis In Different Situation(Native Valve, Prosthetic Valve ,Drug Users)</li> <li>2. Clinical Presentation(Cardiac &amp; Non Cardiac Manifestation)</li> <li>3. Dukes Criteria, Blood Culture( Timing; how Many Samples ) &amp; Echocardiography In Empirical Diagnosis Of Infective Endocarditis</li> <li>4. Management According To Organism (Streptococci , Enterococci, Staphylococci &amp; Hacek)</li> </ol>	IM1.10, IM1.22	
15	Ischaemic Heart Disease 1 - Atherosclerosis & Anatomy Of Coronary Circulation	<p><b>Angina</b></p> <ol style="list-style-type: none"> <li>1. Chest Pain Of Short Duration (&lt;30 Min )</li> <li>2. 5 Important Risk Factors</li> <li>3. ECG findings in Stable, Unstable angina</li> <li>4. Clinical Presentation: Chest Pain, Sweating, Nausea, Breathlessness.</li> <li>5. Diagnosis: Clinical, Ecg, Cardiac Enzymes</li> <li>6. Treatment-For Stable and Unstable Angina</li> </ol>	IM2.1, IM2.2, IM2.3, IM2.4	
16	Ischaemic Heart Disease -Part 2- Acute Coronary Syndromes	<p><b>Angina</b></p> <ol style="list-style-type: none"> <li>1. Chest Pain Of Short Duration (&lt;30 Min )</li> <li>2. 5 Important Risk Factors</li> <li>3. ECG findings in Stable, Unstable angina</li> <li>4. Clinical Presentation: Chest Pain, Sweating, Nausea, Breathlessness.</li> <li>5. Diagnosis: Clinical, Ecg, Cardiac Enzymes</li> <li>6. Treatment-For Stable and Unstable Angina</li> </ol> <p><b>Myocardial Infarction</b></p> <ol style="list-style-type: none"> <li>1. Definition and Distinguishing Features From Ischemia.</li> <li>2. Risk Factors: Modifiable And Non Modifiable.</li> <li>3. Clinical Presentation And Types: Silent, ChestPain, Sweating, Nausea, Breathlessness...</li> <li>4. STEMI ,NSTEMI</li> <li>5. Diagnosis: ECG, Cardiac Enzymes, Troponin, 2Dechocardiography.</li> <li>6. Complication: Arrhythmias (Bradyarrhythmias &amp; Tachyarrythmias), Pump Failure, Cardiogenic Shock Etc.</li> <li>7. Treatment: Thrombolysis, Heparin, Beta - Blockers, Nitrates, Statins, Antiplatelets, ACEI, Angioplasty CABG.</li> </ol> <p><b>Electrical Complications Of IHD And</b></p>	IM2.5, IM2.6, IM2.7, IM2.9, IM2.10, IM2.11, IM2.13, IM2.14, IM2.15, IM2.16, IM2.19, IM2.20, IM2.23	

		<p><b>Their Treatment-</b></p> <ol style="list-style-type: none"> <li>1. Explain Conduction System and Electrophysiology Of Heart.</li> <li>2. Explain Tacyarrhythmias And bradyarrythmias And Their Mechanisms.</li> <li>3. Know And Identify Arrythmias, Ectopics, Ventricular Tachycardia And Fibrillation, AIVR, SVT, Sinus Bradycardia And Heart Blocks In Ischemic Heart Diseases And Their Management.</li> <li>4. Discuss Anti Arrhythmic Drugs, Cpr And Defibrillations And Their Indications.</li> </ol> <p>Cardiogenic Shock Investigation In A Case Of Cardiogenic Shock Treatment Modalities In Cardiogenic Shock – Pharmacologic &amp; Interventional.</p>		
17	Congenital Heart Disease	<ol style="list-style-type: none"> <li>1. Understand Normal Structure And Development Of Heart</li> <li>2. ASD: Types, Clinical Features, Ecg&amp; 2d Echo Findings, Treatment</li> <li>3. VSD :Types, Clinical Features, Complications,</li> <li>4. Tetralogy Of Fallot: Pathophysiology, Clinical Features, Ecg&amp; 2d Echo Findings, Treatment</li> <li>5. Eisenmengers Syndrome .</li> <li>6. Ebstein’s Anomaly: Pathophysiology, Clinical Features, Treatment</li> <li>7. Know About Transposition Of Great Arteries, Tricuspid Atresia</li> <li>8. Complications Of Congenital Heart Disease</li> </ol>	IM1.28, IM1.29	
18	Cardiac Failure	<ol style="list-style-type: none"> <li>1. Definition- Abnormality Of Cardiac Pumping Or Filling.</li> <li>2. Etiology: 4 Main Causes Of CCF - Congenital Or Acquired, Idiopathic, Valvular Heart Disease, Coronary Artery Disease.</li> <li>3. Classification: NYHA (New York Heart Association).</li> <li>4. 10 Precipitating Factors E.G., Arrhythmias High Output Status Etc.</li> <li>5. Risk Factors: Myopathy, Previous Myocardial Infarction, Alcohol.</li> <li>6. Clinical Presentation: Chest Pain, Breathlessness, Fatigue, Cerebral Symptoms.</li> <li>7. Types of Cardiac failure</li> <li>8. Clinical Features- Symptoms, Fatigue, Orthopnoea, Signs, S<sub>3</sub> Gallop, Basal Crepitations</li> </ol>	IM1.4, IM1.5, IM1.6, IM1.7, IM1.8, IM1.23, IM1.24, IM1.26	



		<p>9. Diagnosis: Labs, Chest Xray, Ecg, 2dechocardiography.</p> <p>10. Treatment : Non Pharmacologic Like Diet And Parmacologic Like Diuretics, Angiotensin Converting Enzyme Inhibitors, B Blockers, Digoxin</p>		
<b>19</b>	Cor Pulmonale	<p>1. Types –Acute – Secondary To Pulmonary Embolis And Chronic – Sec To Lung Diseases</p> <p>2. Conditions Which Increases The Chances Of Dvt(Thrombhophilic States)</p> <p>3. Clinical Features Suggestive Of Pulmonary Embolism</p> <p>4. Diffrential Diagnosis</p> <p>5. What Are The Investigations</p> <p>Treatment For Acute Pulmonary Embolism</p>		
<b>20</b>	Hypertension Part I	<p>1. Definition Of Hypertension By Jnc 7 &amp; 8 ,</p> <p>2. Different Types Of Hypertension And Classification: Primary , Second Staging According To Jnc 7 + 8 Classification./ White Coat, Masked , Secondary Etc .</p> <p>3. Clinical Features: Headache , Giddiness, Chest Pain ,Breathlessness .</p> <p>4. Complications:Neurologic, Cardiovascular, Renal, Ophthalmologic.</p>	IM8.2, IM8.3, IM8.4, IM8.5, IM8.7, IM8.8, IM8.9, IM8.10	
<b>21</b>	Hypertension Part II	<p>1. Investigations Routine And Specific-,: Lab Data , Electrocardiography, Echocardiography,Renal Doppler Chest Xray ,Fundoscopy, Urine Albumin Etc.</p> <p>2. Treatment: - Various Classes Of Medications Available i.e Angiotensin Receptor Blockade /Ace Inhibitors, Beta Blockers,Ca Channel Blockers/ Vasodilators,Diuretics,Centrally Acting ,Etc.</p> <p>3. Definition Of Hypertensive Urgencies And Emergencies And Their Management</p> <p>4. Specific Conditions In Hypertension Like Pregnancy Induced Hypertension Etc And Their Specific Treatment.</p>	IM8.6, IM8.12, IM8.13, IM8.14, IM8.15, IM8.16, IM8.17	Cardiology
<b>22</b>	Pericarditis	<p>1) Types Of Pericardial Layers</p> <p>2) Causes Of Pericarditis Or Effusion</p> <p>3) Clinical Features Of Pericarditis Including Pericardial Rub, Tachycardia Etc.</p> <p>4) Ecg Findings Of Pericarditis:Sinus Tachycardia, St Segment Elevation With Concavity Upwards &amp;Pr Segment Depression.</p> <p>5) Diagnostic Tests For Pericarditis- Pericardiocentesis And Fluid Biochemistry.</p> <p>6) Treatment Of Pericarditis- Akt, Renal Rx, Steroids Etc.</p>		

23	Cardiomyopathy	<ol style="list-style-type: none"> <li>1) Know Definition Of Cardiomyopathy</li> <li>2) 3 Types Of Cardiomyopathies &amp; Specific Clinical Features If Any</li> <li>3) Lab Evaluation Of Cmp By Cxr, Ecg, Echo, Cardiac Catheterization.</li> <li>4) Rx Of Each Of Cmp Including Digoxin Etc.</li> <li>5) Follow Up &amp; Prognosis Evaluations.</li> </ol>		
24	Diseases Of Oral Cavity & Oesophagus	<p>(Apthous ulcer, GERD, Achalasia Cardia, Ca esophagus)</p> <ol style="list-style-type: none"> <li>1. Causes &amp; Management of apthous ulcers</li> <li>2. Symptoms of esophageal disease – heart burn, regurgitation, Chest pain, dysphagia, odynophagia, water brash</li> <li>3. To understand etiopathology of GERD &amp; complications like reflux esophagitis, esophageal strictures, Barrett's esophagus</li> <li>4. To know about achalasia cardia- neurologic dysphagia- absence of ganglion cells in myenteric plexus</li> <li>5. Risk factor for ca esophagus</li> </ol> <p>Types – Adenocarcinoma - Squamous cell ca</p>		Surgery
25	Diseases Of Stomach	<ol style="list-style-type: none"> <li>1. Basic physiology of gastric mucosal lining &amp; secretions</li> <li>2. To know different diseases of stomach e.g Acute &amp; chronic Gastritis, peptic ulcers (Gastric &amp; duodenal)</li> <li>3. H. Pylori infection Pathophysiology &amp;</li> <li>4. management</li> <li>5. Treatment - Antacid – various classes &amp; their action</li> <li>6. Approach to dyspepsia</li> <li>7. Names &amp; indication for surgery in gastric ulcer / duodenal ulcer</li> </ol>	IM15.9, IM15.15, IM15.16	
26	Upper GI Bleeding	<p>Causes of upper GI tract bleeding e.g. NSAIDs, H. Pylori infections, Varices, Ulcers</p> <ol style="list-style-type: none"> <li>1. Symptoms – Haematemesis <ul style="list-style-type: none"> <li>- Malena</li> <li>- Complications- hypovolemic shock, anemia etc</li> </ul> <p>To diagnose upper GI bleed by endoscopy.</p> </li> <li>2. Management of Upper GI bleed <ul style="list-style-type: none"> <li>- Medical Management</li> <li>- Endoscopic therapy</li> </ul> </li> </ol> <p>Blood Transfusion – if severe anemia/shock</p>	IM15.1, IM15.2, IM15.5, IM15.6, IM15.9, IM15.10, IM15.11, IM15.14	
27	Theory exam SAQ/LAQ/MCQ			

**Bharati Vidyapeeth Deemed To Be University Medical College Pune**  
**DEPARTMENT OF MEDICINE**  
**III MBBS: Part I**  
**VI and VII Semester**

**Small group teaching Schedule: Duration: Two hrs/SGT**

Sr. No.	Topic	Content	Competency No.	SGT Method*
1	ECG 1	To know about the normal cardiac electrical activity 1. To know basics of ECG machine- how to record ECG (12 leads), lead placement, standardization etc. 2. To know about the basic concepts of ECG paper 3. How to read ECG- rate, rhythm, axis, individual waves, intervals etc. 4. To know about the characteristics of each wave, segment and interval	1.17, IM1.18	Tutorial
2	ECG 2	1. Abnormalities of P wave - P mitrale, P pulmonale etc. 2. Supraventricular arrhythmia, atrial flutter, atrial fibrillation 3. Know about the PR interval and its significance 4. Bradyarrhythmias and 1 <sup>st</sup> , 2 <sup>nd</sup> and 3 <sup>rd</sup> degree AV blocks. 5. To know about the QRS complex- Axis, duration and morphology 6. Ventricular hypertrophy- LVH and RVH 7. To identify bundle branch blocks- RBBB and LBBB 8. Know the differential diagnosis of ST elevation in ECG 9. Specific changes in ECG in myocardial infarction – STEMI and NSTEMI 10. To differentiate between myocardial infarction and other causes of ST elevation in ECG 11. Know about ventricular tachycardia and ventricular fibrillation	IM12.10 IM2.10, IM8.13, IM8.17	Tutorial

3	Chest X Ray	<ol style="list-style-type: none"> <li>1. How to read a normal chest x ray</li> <li>2. Homogenous opacity of unilateral/ bilateral side differentials</li> <li>3. Miliary TB on chest x ray</li> <li>4. Lung cavity/ abscess</li> <li>5. Cannon ball appearance on x ray</li> <li>6. Cardiomegaly measurement</li> <li>7. Atrial and ventricular enlargement</li> <li>8. Pneumonia</li> <li>9. ARDS/ pulmonary edema</li> </ol>		Tutorial
4	Prescription writing	<ol style="list-style-type: none"> <li>1. Ideal prescription</li> <li>2. Parts/ structure of prescription</li> <li>3. Date</li> <li>4. Superscription</li> <li>5. Inscription</li> <li>6. Subscription</li> <li>7. Transcription</li> <li>8. Signature</li> </ol>		Tutorial
5	Lab data	<ol style="list-style-type: none"> <li>1. How to interpret LFT report</li> <li>2. How to interpret pleural fluid reports</li> <li>3. CSF reports</li> <li>4. Ascitic fluid report interpretation</li> <li>5. Thyroid reports interpretation</li> <li>6. Hemogram and peripheral smear interpretation</li> <li>7. es tube <ol style="list-style-type: none"> <li>1. Other names Description and explaining various markingse.g 405059 65Cardiac orifice Body Pylorus1st part of DuodenumStomach</li> <li>2. Indications- DiagnosticTherapeutic</li> <li>3. Contraindications</li> </ol> </li> </ol> <p>Procedure- Technique of insertion and confirmation of placement</p> <ol style="list-style-type: none"> <li>4. Complications <ol style="list-style-type: none"> <li>a. Epistaxis</li> <li>b. Rhinitis,Pharyngitis</li> <li>c. Variceal bleed</li> </ol> </li> </ol>		Tutorial
6	Tubes and catheters	<p>ETT</p> <ol style="list-style-type: none"> <li>1. Description <ol style="list-style-type: none"> <li>a. Portex</li> <li>b. Cuffed /Uncuffed</li> <li>c. Various sizes</li> </ol> </li> <li>2. Indication of Intubation <ol style="list-style-type: none"> <li>a. Respiratory failure</li> <li>b. Cardio- respiratory arrest</li> <li>c. General anaesthesia</li> </ol> </li> <li>3. Contraindications <ol style="list-style-type: none"> <li>a. Trauma</li> </ol> </li> </ol>		Tutorial

		<ul style="list-style-type: none"> <li>b. Laryngospasm</li> <li>4. Procedure-Consent, position of pt., site, technique of insertion, post intubation care.</li> <li>5. Complications <ul style="list-style-type: none"> <li>a. Obstruction</li> <li>b. Intubation either Bronchus/esophagus</li> <li>c. Trauma to cords intubation Teeth dislodgement</li> </ul> </li> </ul>		
7	Pleural Tapping and Biopsy	<ol style="list-style-type: none"> <li>1. Indications of pleural tapping- diagnostic, therapeutic</li> <li>2. Contraindications- local skin infection, bleeding diathesis</li> <li>3. Instruments- needle, syringe, three way IV tubing etc.</li> <li>4. Importance of Radioimaging before and after the procedure</li> <li>5. Procedure – position, site, how much can be tapped</li> <li>6. Analysis of pleural fluid</li> <li>7. Complications - pneumothorax. Hemothorax, empyema</li> <li>8. Indications of pleural biopsy- recurrent pleural effusion, pleural mass</li> <li>9. Instruments- Tru cut biopsy needle</li> </ol>	IM3.9	Tutorial
8	Ascitic tapping	<ol style="list-style-type: none"> <li>1. Indications of ascitic tapping- diagnostic , therapeutic</li> <li>2. Contraindications- local skin infection, severe thrombocytopenia</li> <li>3. Procedure – position of pt, sites, insertion of needle- Z technique</li> <li>4. Instruments required- syringe, needle, local anesthetic.</li> <li>5. How much fluid can be tapped,</li> <li>6. Analysis of ascitic fluid</li> <li>7. Complications- bleeding, infection, bowel injury</li> </ol>	IM5.15	Tutorial
9	Lumbar Puncture	<ol style="list-style-type: none"> <li>1. Description of the instruments needed- <ul style="list-style-type: none"> <li>a. Needle proper</li> <li>b. Stylus</li> </ul> </li> <li>2. Indications- Diagnostic and Therapeutic</li> <li>3. Contraindications- Absolute and relative</li> <li>4. Procedure-Consent, position of pt., site, post procedure orders etc.</li> <li>5. Complications- local and systemic</li> <li>6. Analysis of CSF- normal values</li> </ol>	IM17.8	Tutorial

10	Liver Biopsy,  Kidney Biopsy	<ol style="list-style-type: none"> <li>1. Description of the instruments needed- <ol style="list-style-type: none"> <li>a. Outer hollow needle</li> <li>b. Inner split needle</li> <li>c. Solid stylet</li> </ol> </li> <li>2. Indication of Biopsy-Cirrhosis ,Carcinoma ,Chronic hepatitis, Storage &amp; metabolic disorders</li> <li>3. Contraindications- Coagulopathy,Hydatidcyst,Cong estedliver,massive, ascites,Hemangioma etc.</li> <li>4. Procedure-Consent, position of patient, site, post procedure orders etc.</li> <li>5. Complications-Hemorrhage, Biliary peritonitis ,Precipitation of hepatic coma etc.</li> <li>6. Description of the instruments needed- <ul style="list-style-type: none"> <li>- Outer hollow needle</li> <li>- Inner split needle</li> <li>- Solid stylet</li> </ul> </li> <li>7. Indications of Biopsy- Nephroticsyndrome,Glomerulon ephritis of any cause, Proteinuria, Hematuria, Systemic disorders with renal involvement, transplant rejection, Malignancy etc</li> <li>8. Contraindications-Coagulopathy, ESRD, Solitary kidney etc.</li> <li>9. Procedure - Consent, position of pt., site, post procedure orders etc</li> <li>10. Complications - Hemorrhage, infection etc.</li> </ol>		Tutorial
11	Bone Marrow Aspiration and Biopsy	<ol style="list-style-type: none"> <li>1. Description of the instruments needed-Needle stylet,adjustableguard,e.g.salah, klima</li> <li>2. Indications- Anemia, pancytopenia, hematological malignancies, pyrexia of unknown origin</li> <li>3. Contraindications- local infection, coagulopathy etc.</li> <li>4. Procedure-Consent, position of patient, site, post procedure orders etc.</li> <li>5. Complications- hemorrhage, infection</li> <li>6. Analysis of bone marrow- <ol style="list-style-type: none"> <li>a. Cellularity of marrow</li> <li>b. WBC, Megakaryocytes, plasma cell</li> <li>c. M.E ratio</li> </ol> </li> </ol>	IM4.17	Tutorial

		d. parasite /tumour cells/ fibrous tissue/iron		
12	P line insertion IV Fluids & Infusion set	<p><b>CVP Line</b></p> <ol style="list-style-type: none"> <li>1. Description of the instruments needed-Needle, Guide wire, Central line etc.</li> <li>2. Procedure-Consent, position of pt., site, post procedure orders etc.</li> </ol> <p>Complications- Pneumothorax, Carotid artery puncture etc</p> <p><b>IV Fluids</b></p> <ol style="list-style-type: none"> <li>1. Types <ol style="list-style-type: none"> <li>a. Colloids- Hemaccel, Albumin etc.</li> <li>b. Crystalloids</li> <li>c. e.g NS, Dextrose, RL, Hypertonic saline</li> </ol> </li> <li>2. Indications- Hypovolemic shock, severe dehydration etc</li> <li>3. Contraindication CCF, other fluid overload states</li> <li>4. Advantages of IV fluids Rapid connection of defici</li> <li>5. Disadvantages <ol style="list-style-type: none"> <li>a. Thrombophlebitis</li> <li>b. Hematoma</li> <li>c. Pyogenic reaction</li> </ol> </li> </ol> <p>Overloading</p>	IM10.22	Tutorial
13	Blood transfusion	<ol style="list-style-type: none"> <li>1. What are the different blood group systems?</li> <li>2. Which are the different blood components?</li> <li>3. What pre transfusion testing or precautions are taken?</li> <li>4. What are the indications for blood transfusion?</li> <li>5. What are the contraindications for blood transfusion?</li> </ol> <p>What are the adverse reactions to blood transfusion?</p>	IM9.19	Tutorial
14	Heat stroke and Near Drowning	<ol style="list-style-type: none"> <li>1. What is Heat stroke?</li> <li>2. Clinical manifestations of heat stroke</li> <li>3. Other causes of hyperthermia</li> <li>4. Complications of heat stroke</li> <li>5. Management of heat stroke</li> </ol>		Small group discussion
15	Acute alcohol intoxication & withdrawal syndrome	<ol style="list-style-type: none"> <li>1. Metabolism of alcohol in body.</li> <li>2. clinical features of acute alcohol intoxication</li> <li>3. Management of acute alcohol intoxication</li> <li>4. Manifestations of alcohol withdrawal</li> <li>5. Treatment of alcohol withdrawal</li> </ol>		Small group discussion

16	Urine examination	<ol style="list-style-type: none"> <li>1. Methods of collection of urine specimens</li> <li>2. How is the gross &amp; microbiological examination of urine done?</li> <li>3. Which are the different urinary casts?</li> <li>4. Evaluation of proteinuria</li> <li>5. Further reading – treatment of UTI</li> </ol>	IM25.7	Small group discussion
17	Anaphylaxis & Acute Urticaria	<ol style="list-style-type: none"> <li>1. Types of hypersensitivity reactions</li> <li>2. Etiology of anaphylaxis &amp; urticaria</li> <li>3. Clinical features of anaphylaxis- 3 severe life threatening complications</li> <li>4. Treatment of anaphylaxis</li> <li>5. Treatment of acute urticaria</li> </ol>		Small group discussion
18	Exam on above topics	SAQ/ MCQ		

\*SGT Method-Group discussion/ Tutorial/seminar/DOAP/Practical/ skills lab

Batches for small group: 30 students per batch:

Batch	Roll No.s
A	1-30
B	31-60
C	61-90
D	91-120
E	121-150



**Bharati Vidyapeeth Deemed To Be University Medical College Pune**  
**DEPARTMENT OF MEDICINE**  
**III MBBS: Part I**  
**VI and VII Semester**  
**Clinical Posting Schedule:**

(Total 3 weeks: 6 days x 3hours per day = 54 hours)

Day of posting	Topic/s	Competency	Hours	Teaching learning method: bedside clinic/ Skills lab/ Clinical clerkship
Monday	CVS - History taking and General examination	IM1.10, IM2.6, IM8.9 IM1.11, IM1.12, IM1.13, IM1.14, IM2.7, IM8.10	3 (2+1)	Bedside Clinic + Clinical Clerkship
Tuesday	Systemic examination CVS	IM1.11, IM1.12, IM1.13, IM1.14, IM1.15	3 (2+1)	Bedside Clinic + Clinical Clerkship
Wednesday	Blood transfusion & Ryle's tube Insertion	IM9.19 IM1.11, IM1.14, IM2.7 ,IM4.9, IM4.10	3(2 +1)	Skill Lab + Bedside clinic
Thursday	Mitral Stenosis (MS) & Mitral Regurgitation (MR)	IM1.11, IM1.12, IM1.13, IM1.14, IM1.15	3 (2+1)	Bedside Clinic + Clinical Clerkship
Friday	Aortic Stenosis (AS) & Aortic Regurgitation (AR)	IM1.11, IM1.12, IM1.13, IM1.14, IM1.15	3 (2+1)	Bedside Clinic + Clinical Clerkship
Saturday	Congenital heart disease (VSD/ TOF)	IM1.11, IM1.12, IM1.13, IM1.14, IM1.15	3 (2+1)	Bedside Clinic + Clinical Clerkship
Monday	GIT- History & General examination	IM5.9, IM15.4, IM16.4 IM4.10, IM5.10, IM15.5, IM15.7, IM16.5	3 (2+1)	Bedside Clinic + Clinical Clerkship
Tuesday	Acute hepatitis	IM4.9, IM4.10, IM5.9, IM5.10	3 (2+1)	Bedside Clinic + Clinical Clerkship
Wednesday	Ascitic fluid Aspiration	IM 5.15 IM1.11, IM1.12, IM1.13, IM1.14, IM1.15	3(2+1)	Skill Lab + Bedside clinic

Thursday	Hepatomegaly & Splenomegaly	IM4.9, IM4.10, IM5.9, IM5.10	3 (2+1)	Bedside Clinic + Clinical Clerkship
Friday	Case of Jaundice with approach to Jaundice	IM4.9, IM4.10, IM5.9, IM5.10	3 (2+1)	Bedside Clinic + Clinical Clerkship
Saturday	Decompensated Liver Cirrhosis	IM5.9, IM5.10	3 (2+1)	Bedside Clinic + Clinical Clerkship
Monday	Thyroid Disease – Grave’s / Severe hypothyroidism	IM12.5, IM12.6, IM12.7	3 (2+1)	Bedside Clinic + Clinical Clerkship
Tuesday	Approach to Polyarthritis	IM7.11, IM7.12	3 (2+1)	Bedside Clinic + Clinical Clerkship
Wednesday	Lumbar Puncture	IM6.15 IM5.9, IM5.10	3 (2+1)	Skill Lab + Bedside Clinic
Thursday	Case Presentation (GIT /CVS)		3 (2+1)	Bedside Clinic + Clinical Clerkship
Friday	Case Presentation (GIT /CVS)		3 (2+1)	Bedside Clinic + Clinical Clerkship
Saturday	Term End Exam			Bedside Clinic

**Bharati Vidyapeeth Deemed To Be University Medical College, Pune**  
**III.M.B.B.S – Part I**  
**VI and VII Semester**  
**Department of General Surgery**  
**Lecture Schedule: Duration: One hr /Lecture**

<b>Lecture no.</b>	<b>Topic</b>	<b>Content</b>	<b>Competency</b>	<b>Integration</b>
1	Surgical infections	Define and describe the aetiology and pathogenesis of surgical Infections. Enumerate Prophylactic and therapeutic antibiotics Plan appropriate management	SU6.1 SU6.2	Microbiology
2	Basic surgical skills	Describe Aseptic techniques, sterilization and disinfection.	SU14.1	Microbiology
3	Anaesthesia and pain management	Describe principles of Preoperative assessment. Enumerate the principles of general, regional, and local Anaesthesia.	SU11.1 SU11.2	Anaesthesiology
4	Developmental anomalies of face, mouth and jaws	Describe the etiology and classification of cleft lip and palate. Describe the Principles of reconstruction of cleft lip and palate	SU19.1 SU19.2	
5	Investigation of surgical patient	Biological basis for early detection of cancer and multidisciplinary approach in management of cancer	SU9.2	
6	Oropharyngeal cancer - I	Describe etiopathogenesis of oral cancer symptoms and signs of oropharyngeal cancer. Enumerate the appropriate investigations and discuss the Principles of treatment.	SU20.1 SU20.2	
7	Disorders of salivary glands - I	Describe surgical anatomy of the salivary glands, pathology, and clinical presentation of disorders of salivary glands	SU 21.1	
8	Disorders of salivary gland - II	Enumerate the appropriate Investigations and the Principles of treatment of disorders of salivary glands	SU 21.2	
9	Thyroid- I	Describe the applied anatomy and physiology of thyroid. Describe the etiopathogenesis of thyroidal swellings.	SU 22.1 SU 22.2	Human Anatomy
10	Thyroid - II	Describe the clinical features, classification and principles of management of thyroid cancer	SU22.4	

11	Parathyroid glands	Describe the applied anatomy of parathyroid. Describe and discuss the clinical features of hypo - and hyperparathyroidism and the principles of their management.	SU 22.5 SU 22.6	
12	Adrenal gland	Describe the applied anatomy of adrenal glands. Describe the etiology, clinical features and principles of management of disorders of adrenal gland Describe the clinical features, principles of investigation and management of Adrenal tumours	SU 23.1 SU 22.2 SU23.3	
13	Breast - I	Describe applied anatomy and appropriate investigations for breast disease	SU 25.1	
14	Breast - II	Describe the etiopathogenesis, clinical features and principles of management of benign breast disease including infections of the breast	SU 25.2	
15	Breast - III	Describe the etiopathogenesis, clinical features, Investigations and principles of treatment of benign and malignant tumours of breast.	SU 25.3	
16	Minimally invasive General Surgery	Describe the Indications, advantages and disadvantages of Minimally invasive General Surgery	SU 16.1	
17	Abdomen - peritoneum	Describe causes, clinical features, complications and principles of management of peritonitis	SU 28.3	
18	Abdomen	Describe pathophysiology, clinical features, investigations and principles of management of Intra-abdominal abscess, mesenteric cyst, and retroperitoneal tumors	SU 28.4	
19	Abdomen - esophagus	Describe the applied Anatomy and physiology of esophagus.	SU 28.5	
20	Abdomen - esophagus	Describe the clinical features, investigations and principles of management of malignant disorders of esophagus.	SU 28.6	
21	Abdomen - stomach	Describe the applied anatomy and physiology of stomach. Describe and discuss the aetiology, clinical features, investigations and principles of management of congenital hypertrophic pyloric stenosis.	SU 28.7 SU 28.8	

22	Abdomen - stomach	Describe and discuss the aetiology, clinical features, investigations and principles of management of Peptic ulcer disease	SU 28.8	
23	Abdomen - Stomach	Describe and discuss the aetiology, clinical features, investigations and principles of management of Carcinoma stomach		
24	Pancreas - I	Describe the clinical features, principles of investigation, prognosis and management of pancreatitis.	SU 24.1	
25	Pancreas - II	Describe the clinical features, principles of investigation, prognosis and management of pancreatic endocrine tumours	SU24.2 SU24.3	
---	Term end exam			2 Hours

**Bharati Vidyapeeth Deemed To Be University Medical College Pune**  
**III.M.B.B.S – Part I**  
**VI and VII Semester**  
**Department of surgery**  
**Small group teaching Schedule: Duration 2hrs/SGT**

<b>Sr. no</b>	<b>Topic</b>	<b>Content</b>	<b>Competency No.</b>	<b>SGT Method</b>
1	Wound healing and wound care	Differentiate the various types of wounds, plan and observe management of wounds. Discuss medico legal aspects of wounds.	SU5.3 SU5.4	Practical
2	Nutrition and fluid therapy	Describe and discuss the methods of estimation and replacement of the fluid and electrolyte requirements in the surgical patient	SU12.2	Tutorial / Group discussion
3	Anaesthesia and pain management	Describe Principles of safe General Surgery	SU11.6	Tutorial
4	Investigation of surgical patient	Choose appropriate biochemical, microbiological, pathological, imaging investigations Communicate the results of surgical investigations and counsel the patient appropriately and interpret the investigative data in a surgical patient	SU9.1 SU9.3	Tutorial
5	Pre, intra and post- operative management.	Observe common surgical procedures and assist in minor surgical procedures; Observe emergency lifesaving surgical procedures.	SU10.3	Practical
6	Pre, intra and post- operative management.	Perform basic surgical Skills such as First aid including suturing and minor surgical procedures in simulated environment	SU10.4	Skill lab
7	Anaesthesia and pain management	Demonstrate maintenance of an airway in a mannequin or equivalent	SU11.3	Tutorial
8	Basic Surgical Skills	Describe Aseptic techniques, sterilization and disinfection	SU14.1	Group Discussion
9	Basic Surgical Skills	Describe Surgical approaches, incisions.	SU14.2	Tutorial
10	Basic Surgical Skills	Describe the use of appropriate instruments in Surgery in general	SU14.2	Tutorial
11	Basic Surgical Skills	Describe the materials and methods used for surgical wound closure and anastomosis (sutures, knots and needles) Demonstrate the techniques of asepsis and suturing in a simulated environment	SU14.3 SU14.4	Tutorial
12	Trauma	Describe the Principles of FIRST AID. Demonstrate the steps in Basic Life Support. Transport of injured patient in a simulated environment.	SU17.1 SU17.2	Tutorial / DOAP
13	Trauma	Describe the clinical features of soft tissue injuries. Chose appropriate investigations and discuss the principles of management.	SU17.7	Seminar
14	Trauma	Describe the pathophysiology of chest injuries. Describe the clinical features and principles of management of chest injuries.	SU17.8 SU17.9	Tutorial
15	Trauma	Demonstrate Airway maintenance. Recognize and manage tension pneumothorax, hemothorax and flail chest in simulated environment.	SU17.10	Skill lab
16	Endocrine General Surgery: Thyroid and parathyroid	Describe the etiopathogenesis of thyroidal swellings	SU22.2	Tutorial

17	Breast	Demonstrate the correct technique to palpate the breast for breast swelling in a mannequin or equivalent Describe and identify the morphologic and microscopic features of carcinoma of the breast	SU25.5 PA31.3	DOAP
18	Skill Module	Incision and drainage	10.3	Skill lab

\*SGT Method-Group discussion/ Tutorial/ Seminar/ DOAP/ Practical/ Skill lab

Batches for small group: 30 students per batch:

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**Bharati Vidyapeeth Deemed To Be University Medical College, Pune**  
**III.M.B.B.S – Part I**  
**VI and VII Semester**  
**Department of General surgery**  
**Clinical posting schedule**

(Total 3 weeks: 6 days x 3hours per day = 54 hours)

<b>Day of posting</b>	<b>Topic/s</b>	<b>Competency</b>	<b>Hours</b>	<b>Teaching learning method: bedside clinic/ skills lab/ clinical clerkship</b>
1	Swelling: case presentation- discussion of investigation and treatment plan	SU18.3	3	Bedside clinic
2	Ulcer: case presentation- discussion of classification, investigations and treatment plan	SU5.2 SU5.3	3	Bedside clinic Clinical clerkship
3	Scrotal swellings: case presentation hydrocele/ varicocele- discuss investigations and treatment plan	SU30.4 SU30.5	3	Bedside clinic
4	Inguinal hernia- case presentation- discuss treatment plan	SU28.2	3	Bedside clinic
5	Breast: symptomatology, History taking and examination of breast lump.	SU25.5	3	Bedside clinic.
6	Breast: discussion of differential diagnosis with investigations and treatment plan	SU25.1	3	Clinical clerkship Bedside clinic
7	Breast: Case presentation- Breast Lump		3	Bedside clinic
8	Thyroid: symptomatology, history taking, physical examination	SU22.3	3	Bedside clinic
9	Thyroid: discussion of differential diagnosis with investigations and broad outline of management	SU22.3 SU22.4	3	Bedside clinic Clinical clerkship
10	Thyroid: Case presentation – Multinodular goitre	SU22.3	3	Bedside clinic
11	Case presentation: other neck swellings- cervical lymphadenopathy	SU22.8	3	Bedside clinic
12	Oral malignancy History taking, examination and investigations	SU20.1	3	Bedside clinic Clinical clerkship
13	Oral malignancy: Case presentation	SU20.2	3	Bedside clinic
14	Varicose veins: History taking, examination and investigations and various treatment modalities	SU27.5 SU27.6	3	Bedside clinic Clinical clerkship
15	Case presentation: varicose veins		3	Bedside clinic
16	Peripheral vascular disease: history taking and examination and investigations	SU27.1 SU27.2 SU27.3	3	Bedside clinic Clinical clerkship
17	Case presentation: Peripheral vascular disease		3	Bedside clinic
18	<b>Clinical term end</b>			



**Bharati Vidyapeeth (Deemed To Be University) Medical College Pune**  
**DEPARTMENT OF OBSTETRICS AND GYNECOLOGY**  
**III.M.B.B.S – Part I**  
**VI and VII Semester**

**Lecture Schedule: Duration: One hr/Lecture**

<b>Lecture No.</b>	<b>Topics</b>	<b>Content</b>	<b>Competency</b>	<b>Integration</b>
1.	Demographic and Vital Statistics	Birth Rate, Maternal Mortality and Morbidity: Define & Discuss Perinatal Mortality and Morbidity, Neonatal Mortality Audits	OG1.1 & 2	Community medicine
2.	Demographic and Vital Statistics	Still Birth and Abortions: Define & Discuss	OG1.3	
3.	Antepartum haemorrhage	Define, Classify APH. Aetiology, pathogenesis, clinical features and management of Placenta Previa	OG10.1	
4.	Antepartum haemorrhage	Aetiology, pathogenesis, differential diagnosis, clinical features and management of Placental Abruption	OG10.1	
5.	Operative Obstetrics	Caesarean section: Indications, Procedure, Complications	OG15.1	
6.	Operative Obstetrics	Forceps & Vaccum extraction	OG15.1	
7.	Operative Obstetrics	Cervical Cerclage: Indications, Procedure, Complications	OG15.1	
8.	Lactation	Mastitis & Breast abscess: Clinical features, diagnosis and Management	OG17.3	
9.	Abnormal Puerperium	Puerperal pyrexia and Puerperal Pyrexia	OG19.1	
10.	Normal and Abnormal Puberty	Precocious Puberty and Delayed Puberty	OG23.2	
11.	Vaginal Discharge and Genital Infections	Vaginal Infections: Etiology, characteristics, hygiene, management and syndromic approach	OG22.2	
12.	Vaginal Discharge and Genital Infections	STDs: Etio-pathogenesis, CF, DD, Investigation, Management and long term implications	OG27.1	
13.	Vaginal Discharge and Genital Infections	Genital Tuberculosis: Etio-pathogenesis, CF, DD, Investigation, Management and long term implications	OG27.2	
14.	Vaginal Discharge and Genital Infections	HIV: Etio-pathogenesis, CF, DD, Investigation, Management and long term implications	OG27.3	
15.	Vaginal Discharge and Genital Infections	PID: Etio-pathogenesis, CF, DD, Investigation, Management and long term implications	OG27.4	
16.	Abnormal Uterine Bleeding	AUB I: Definition, Classification, Aetiology , Clinical Features	OG24.1	

17.	Abnormal Uterine Bleeding	AUB II: Investigations & Management	OG24.1	
18.	Infertility	Infertility: Causes, Types, CF, Differential Diagnosis, Baseline Investigations including semen analysis	OG28.1	
19.	Infertility	Infertility Investigations: Tubal Patency Tests & Restoration of tubal patency	OG28.2	
20.	Infertility	Infertility: Ovulation Induction drugs, principles and monitoring	OG28.3	
21.	Infertility	Assisted Reproductive Techniques	OG28.4	
22.	PCOS and Hirsutism	PCOS: Etio-pathogenesis, Clinical Features, Diagnosis & Investigations, Management long term complications	OG30.1	
23.	Fibroids & Endometriosis	Fibroid I: Aetiology, Pathology, CF, DD	OG29.1	
24.	Fibroids & Endometriosis	Fibroid II: Investigations, Management Principles & Complications including degenerations	OG29.1	
25.	Term end theory			

**Bharati Vidyapeeth (Deemed To Be University) Medical College Pune**  
**DEPARTMENT OF OBSTETRICS AND GYNECOLOGY**  
**III.M.B.B.S – Part I**  
**VI and VII Semester**

**Small Group Teaching: Duration: 1 hr/Small Group Teaching**

<b>Serial No.</b>	<b>Topic</b>	<b>Content</b>	<b>Competency</b>	<b>SGT Method</b>
1.	Antenatal Care	Objectives of Antenatal Care	OG8.1	Group discussion
2.	Antenatal Care	Obstetrics History & Clinical Importance	OG8.2	Tutorial
3.	Antenatal Care	Obstetrics Examination	OG8.3	DOAP
4.	Antenatal Care	Monitoring of Maternal and Fetal Well-being	OG8.4	Group Discussion
5.	Antenatal Care	Nutrition in Pregnancy	OG8.6	Seminar
6.	Antenatal Care	Role of Ultrasound and Doppler in Obstetrics	OG16.3	Tutorial
7.	Labour & Operative Obstetrics	Physiology of Normal Labor & Stages of Labour	OG13.1	Seminar
8.	Labour & Operative Obstetrics	Mechanism Of Labor	OG13.1	DOAP
9.	Labour & Operative Obstetrics	Management of First and Second Stage of Labour	OG13.1	Tutorial
10.	Labour & Operative Obstetrics	Management of third stage of Labour	OG13.1	Practical
11.	Labour & Operative Obstetrics	Indications and Suturing of Episiotomy	OG15.1	Group discussion
12.	Labour & Operative Obstetrics	Pain Relief in Labor	OG 13.1	Tutorial
13.	Labour & Operative Obstetrics	Induction & Augmentation of Labor	OG 13.1	Seminar
14.	Labour & Operative Obstetrics	Preterm Labor & PROM	OG 13.2	Tutorial
15.	Labour & Operative Obstetrics	Post Dated & Post Term Pregnancy	OG 13.2	Seminar
16.	Complications in Third Stage of labour	PPH: Causes, Definition, Drug Treatment of Atonic PPH	OG16.1	Group discussion

17.	Complications in Third Stage of labour	PPH: Traumatic and Surgical Management of PPH	OG16.1	Group discussion
18.	Lactation	Physiology of Lactation and Breast Feeding	OG17.1	Seminar
19.	Lactation	Counselling of Breast Feeding in a Simulated Environment and breast feeding problems	OG17.2	DOAP
20.	Contraception	Classification of Temporary and Permanent Methods. Discussion on Natural Methods, Pearl's Index	OG21.1	Seminar
21.	Contraception	Barrier Methods of Contraception	OG21.1	Tutorial
22.	Contraception	Oral Contraceptives: Classification, Mechanism Of action. Side Effects	OG21.1	Seminar
23.	Contraception	Injectable Contraceptives and Emergency Contraceptives	OG21.1	Tutorial
24.	Contraception	Intrauterine Contraceptive Devices: Classification, Mechanism of Action, Side Effects and PPIUCD programme	OG21.1 OG21.2	DOAP
25.	Contraception	Female Sterilization	OG21.1	Tutorial
26.	Contraception	Male Sterilization and Medical Eligibility Criteria [MEC] for various contraceptive methods	OG22.1	Seminar
27.	Medical Termination of Pregnancy	MTP Act & Law, PCPNDT Act	OG20.1	Seminar
28.	Medical Termination of Pregnancy	1 <sup>st</sup> Trimester MTP	OG20.1	Group discussion
29.	Medical Termination of Pregnancy	2 <sup>nd</sup> Trimester MTP	OG20.1	Seminar
30.	Medical Termination of Pregnancy	Abortions I [ Definition, aetiology, types and management of first trimester abortions]	OG9.1	Tutorial
31.	Medical Termination of Pregnancy	Abortions II [ Second trimester abortion and In-competent Os]	OG9.1	Group discussion
32.	Complications in early pregnancy	Acute Abdomen in Early Pregnancy with focus on ectopic pregnancy [Aetiology, Clinical features, Differential Diagnosis and Management]	OG9.3	Group discussion
33.	Complications in early pregnancy	Vesicular Mole	OG9.4	Seminar
34.	Complications in early pregnancy	Hyperemesis Gravidarum	OG9.5	Tutorial
35.	Neonatology	Care of New-born	OG18.1	DOAP

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**DEPARTMENT OF OBSTETRICS AND GYNECOLOGY**  
**III.M.B.B.S – Part I**  
**VI and VII Semester**

**DEPARTMENT OF OBSTETRICS AND GYNECOLOGY**

**(Total 3 weeks: 6 days x 3hours per day = 54 hours)**

<b>Day of posting</b>	<b>Topic/s</b>	<b>Competency</b>	<b>Hours</b>	<b>Teaching learning method</b>
1.	Obstetric examination, Lie, Presentation, Attitude, Leopold Manoeuvres [excluding internal examination]	OG35.1	3	Clinical clerkship
2.	Objectives of Antenatal Care Including ANC visits and Antenatal Investigations	OG8.1	3	Clinical clerkship
3.	Partograph	OG8.4	3	Clinical clerkship
4.	Monitoring of fetal well-being [NST, DFMC, BPP, USG]	OG16.3	3	Clinical clerkship
5.	Screening of high risk pregnancy & Nutrition in Pregnancy	OG8.1 , OG8.6	3	Clinical clerkship
6.	Types of Maternal Pelvis and Clinical importance in Obstetrics & Fetal skull	OG14.1, OG14.2	3	Skills lab
7.	Mechanism of normal labour	OG14.2	3	Skills lab
8.	Episiotomy: Indications, Procedure, Complications	OG15.1	3	Skills lab
9.	PPH: Causes, Definition	OG16.1	3	Clinical clerkship
10.	PNC Case Discussion	OG19.1	3	bedside clinic
11.	Caesarean section: Indications, Procedure, Complications	OG15.1	3	Clinical clerkship
12.	Case discussion Multiple Pregnancy:	OG11.1	3	bedside clinic
13.	Case discussion Hypertensive Disorders in Pregnancy:	OG12.1	3	bedside clinic
14.	Case discussion Intra Uterine Growth Retardation	OG16.3	3	bedside clinic
15.	Case discussion Anaemia in pregnancy	OG12.2	3	bedside clinic
16.	Case discussion Preterm Labour, PROM & Post-Dated Pregnancy	OG13.2	3	bedside clinic
17.	Cervical Cerclage: Indications, Procedure, Complications	OG15.1	3	Clinical clerkship
18.	Vaginal Infections: syndromic approach	OG22.2	3	Clinical clerkship
19.	End of Posting Exam		3	

# Bharati Vidyapeeth Deemed To Be University Medical College Pune

## DEPARTMENT OF PEDIATRICS

### III MBBS: Part I

### VI and VII Semester

#### Lectures: Duration One hr/Lecture

No.	Topic	Content	Competency	Integration
1.	Normal Growth and development in child	Anthropometry measurement and assessment, growth chart plotting. Principles of normal development. Milestones in infancy and childhood in all domains.	PE1.1, PE1.2, PE1.3, PE1.4 PE1.5, PE1.6, PE1.7	-----
2.	Developmental and behavioural disorders	Enumerate and discuss the causes of developmental delay. Etiology, clinical features, diagnosis and management of child with learning disabilities.	PE3.1, PE3.2, PE3.3, PE3.4, PE4.2, PE4.3, PE4.4, PE4.5	-----
3.	Short stature	Etiology, diagnosis and management of short stature; physiological short stature	PE2.4, PE2.5, PE2.6	-----
4.	Breast feeding and lactation management	Physiology of lactation, composition of breast milk, initiation and teaching of feeding. Hazards of pre lacteal feed, bottle feeding	PE7.1, PE7.2, PE7.3, PE7.4, PE7.5, PE7.6 PE7.7, PE7.8	
5.	Infant feeding	Normal requirement of proteins, CHO, fats for infants and children. Complementary feeds and method of weaning	PE8.1, PE8.2, PE8.3, PE8.4, PE8.5	
6.	Normal fluid and electrolyte balance	Normal fluid and electrolyte composition of body fluids. Regulation of fluid and electrolyte balance esp. Na and K. Causes and treatment of hypo and hypernatremia, hypo and hyperkalaemia.	PE15.1, PE15.2, PE15.3, PE15.5	
7.	Diarrhea with dehydration	Etiopathogenesis, clinical differentiation of watery and invasive diarrhea, complications of diarrheal illnesses.	PE24.1, PE24.2, PE24.3, PE24.4, PE24.5, PE24.8, PE24.9	
8.	Acute maculopapular exanthematous illnesses	Epidemiology, basic pathology, natural history, symptoms, signs, complications, investigations, differential diagnosis of maculopapular illnesses.	PE34.15, PE34.18, PE34.20	
9.	Acute vesicobullous exanthematous illnesses	Epidemiology, basic pathology, natural history, symptoms, signs, complications, investigations, differential diagnosis of vesicobullous illnesses.	PE34.15, PE34.18, PE34.20	
10.	Nutritional anaemia	Clinical approach to child with anaemia.	PE13.3, PE13.4, PE13.5, PE13.6,	

11.	Haemolytic anaemia	Concept of haemolytic anaemia, different causes, lab approach	PE29.1, PE29.3, PE29.3	
12.	Childhood TB	Tuberculous infection versus disease, primary and post primary TB, diagnostic criteria in children vs adults, Technique and interpretation of Mantoux and BCG test, Xray patterns *Routes of transmission, common clinical features, establishing diagnosis by appropriate investigations, categorization and RNTCP guidelines for treatment	PE34.1, PE34.2, PE34.4, PE34.7, PE34.10, PE34.13	Pulmonary medicine
13.	Hypothyroidism	Congenital hypothyroidism,. Neonatal screening for hypothyroidism	PE33.1, PE33.2, PE33.3	
14.	Acute respiratory illnesses	Approach to a child with respiratory distress, stridor, and wheezing, grading severity. National ARI program	PE28.1, PE28.2, PE28.3, PE28.4, PE28.5, PE28.6,	
15.	Upper respiratory tract infections - Croup syndrome	Etiopathogenesis, clinical features, complications, investigations, differential diagnosis and management of - *Upper respiratory conditions- Croup syndrome, foreign body	PE28.1, PE28.2, PE28.3, PE28.4, PE28.5, PE28.6,	
16.	Lower respiratory tract infections	Etiopathogenesis, clinical features, complications, investigations, differential diagnosis and management of - LRTI	PE28.9, PE28.11, PE28.14, PE28.17, PE28.18	
17.	Urinary tract infections	Prevalence and aetiology of urinary tract infections, clinical manifestations, classification, pathogenesis, complications, diagnosis and treatment. Predisposing factors especially conditions like Posterior urethral valves,	PE21.1	
18.	Acute glomerular nephritis, Haemolytic uremic syndrome	Causes and diagnosis of haematuria. Etiopathogenesis, clinical features, diagnosis, complications and management of acute post-streptococcal glomerulonephritis	PE21.2, PE21.4	
19.	Nephrotic syndrome	Causes and diagnosis of haematuria. Etiopathogenesis, clinical features, diagnosis, complications and management of nephrotic syndrome	PE21.3	
20.	Acute flaccid paralysis	Common causes of AFP- Polio, GBS. Clinical localization of the lesion	PE30.13	

		causing AFP. Relevant investigations to confirm diagnosis.		
Theory Examination				



**DEPARTMENT OF PEDIATRICS****III MBBS: Part I****VI and VII Semester**

- **Small Group Teaching: Duration: 2hrs/SGT**

Sr. No.	Topic	Content	Competency No.	SGT Method
1.	Immunization-1	Vaccines in NIS	PE19.1, PE19.3, PE19.4, PE19.7, PE19.8	SGD in immunization OPD
2.	Immunization-2	Optional vaccines	PE19.5, PE19.10, PE19.11, PE19.16	SGD in immunization OPD
3.	Growth-1	Anthropometry and plotting on growth charts	PE1.1, PE1.2, PE1.3, PE1.4	SGD - seminars
4.	Growth - 2	Growth disorders	PE2.1, PE2.2, PE2.3, PE2.4, PE2.5, PE2.6	SGD- case based discussion
5.	Development-1	Normal milestones	PE1.5, PE1.6, PE1.7	SGD seminars
6.	Development-2	Approach to developmental delay	PE3.1, PE3.2, PE3.3, PE3.4	SGD- case based discussion
7.	PEM-1	Nutritional assessment	PE9.2, PE9.3, PE9.4, PE9.5	SGD, bedside
8.	PEM-2	Marasmus and Kwashiorkor	PE9.6, PE10.1, PE10.2, PE10.3, PE10.4, PE10.5, PE10.6	SGD, bedside
9.	AGE-1	Clinical features and various types	PE24.1, PE24.2,	SGD, bedside
10.	AGE - 2	Management of dehydration	PE24.3, PE24.4, PE24.5, PE24.8, PE24.13, PE24.14	SGD, bedside
11.	Vitamin-1 (A and B complex)	Etiopathogenesis, clinical features, management	PE12.1, PE12.2, PE12.3, PE12.4, PE12.5, PE12.15, PE12.16, PE12.17, PE12.18	SGD
12.	Vitamin-2 (C, D K)	Etiopathogenesis, clinical features, management	PE12.19, PE12.20, PE19.21, PE12.6, PE12.7, PE12.8, PE12.9, PE12.10, PE12.13, PE12.14	SGD
13.	Childhood Tb	Evaluation and management	PE34.1, PE34.2, PE34.3, PE34.4, PE34.5, PE34.8	SGD
14.	Introduction to newborn	Neonatal nomenclature, characteristics of normal neonate, assessment and care of normal newborn	PE20.1, PE20.2, PE20.4	SGD, bedside
15.	Interpretation of CBC	How to interpret CBC	PE29.14	SGD

**DEPARTMENT OF PEDIATRICS**  
**III MBBS: Part I**  
**VI and VII Semester**

- **Clinical Postings:** (Total weeks : 4, Days- 24 x 3 hours per day =72 hours)

Day of posting	Topic/s	Compenets	Competency	Hours	Teaching learning method
2 day	<b>Fever with rash (3 cases)</b>	Identify different types of rash and their causes e.g. Measles, Chicken Pox etc.	PE34.15, PE34.18, PE34.20	6 hours	Small group discussion
3 days	<b>Respiratory system examination with 2 cases</b>	Differentiate –Upper versus lower respiratory affection. Localise in the respiratory tract along with type of affection. e.g. Bronchiolitis, Bronchopneumonia, Pneumonia, Croup, Empyema, Asthma	PE28.1, PE28.2, PE28.3, PE28.4, PE28.5, PE28.6, PE28.7, PE28.8, PE28.9, PE28.11, PE28.14, PE28.17, PE28.18	9 hours	Small group discussion, DOAP
1 days	<b>Perabdominal examination</b>	To be able to identify Hepato/ splenomegaly and free fluid in abdomen	PE29.12, PE29.13	3 hours	Bedside clinic
2 days	<b>Hepato Splenomegaly (2 cases)</b>	Clinical approach to Differential diagnosis ( Malaria. Typhoid, Hemolytic anemia, Leukemia)	PE26.6, PE26.7, PE29.4, PE29.11, PE29.12, PE29.13, PE29.16, PE29.19, PE29.20	6 hours	Bedside clinic
2 days	<b>CNS examinatiuon</b>	Common symptoms indicative of CNS affection- spasticity, seizures	PE30.18, PE30.19	6 hours	Bedside clinic
2 days	<b>Newborn (2 cases)</b>	History taking, differentiating FT from PT, identifying sick newborn. Eliciting clinical signs like icterus	PE20.2, PE20.4, PE20.5, PE20.6 PE20.7, PE20.19, PE20.20, PE20.22	6 hours	Bedside clinic, DOAP

2 days	<b>CVS Examination (2)</b>	Examination of CVS and Ask relevant history and perform examination to differentiate between cyanotic and Acyanotic heart disease	PE23.3, PE23.7, PE23.8, PE23.9, PE23.10	6 hours	Bedside clinic
1 day	<b>AGE</b>	History and clinical features to identify grades of dehydration To be able to prepare and advise ORS therapy	PE24.1, PE24.2, PE24.3	3 hours	DOAP
1 day	<b>PEM</b>	Dietary history taking, Identify and classify SAM and MAM	PE10.1, PE10.2, PE10.3, PE10.5, PE10.6	3 hours	DOAP, bedside clinic
2 days	<b>Anemia</b>	Identify anemia. Appropriate history to identify the cause. Clinical signs in Nutritional anemia and Thalassemia/Sickle cell	PE13.3, PE13.4, PE13.5, PE13.6, PE29.1, PE29.3, PE29.3	6 hours	Bedside clinic
5 days	<b>IMNCI</b>	<b>IMNCI</b> Module: 2 months to 2 years: <b>Danger signs</b> , identification of severe pneumonia, severe dehydration, Severe malnutrition, meningitis, severe measles, mastoiditis etc.	PE16.1, PE16.2, PE16.3, PE21.1, PE21.11, PE24.9, PE24,.10, PE24.11, PE28.15	15 hours	DOAP
End of Clinical posting Examination					

**Bharati Vidyapeeth (DTU) Medical College, Pune**  
**DEPARTMENT OF FORENSIC MEDICINE AND TOXICOLOGY**  
**III MBBS: Part I**  
**VI and VII Semester**

**Lectures Schedule: Duration: One hr/Lecture**

Lecture no.	Topic	Content	Competency	Integration
1	MLA of Injury	Mechanical injuries and wounds: Define injury, assault & hurt. Describe IPC pertaining to injuries	FM3.4	-
		Mechanical injuries and wounds: Describe accidental, suicidal and homicidal injuries. Describe simple, grievous and dangerous injuries. Describe ante-mortem and post-mortem injuries	FM3.5	
		Describe factors influencing infliction of injuries and healing, examination and certification of wounds and wound as a cause of death: Primary and Secondary	FM3.7	
2	Thermal Death	Describe types of injuries, clinical features, patho-physiology, post- mortem findings and medico-legal aspects in cases of burns, scalds, lightening, electrocution and radiations	FM2.25	-
3	Thermal Death	Describe types of injuries, clinical features, patho-physiology, post- mortem findings and medico-legal aspects in cases of burns, scalds, lightening, electrocution and radiations	FM2.25	-
4	Mechanical Asphyxia	Mechanical asphyxia: Define, classify and describe asphyxia and medico-legal interpretation of post-mortem findings in asphyxial deaths	FM2.20	-
5	Mechanical Asphyxia	Mechanical asphyxia: Describe and discuss different types of hanging and strangulation including clinical findings, causes of death, post-mortem findings and medico-legal aspects of death due to hanging and strangulation including examination, preservation and dispatch of ligature material	FM2.21	-
6	Mechanical Asphyxia	Mechanical asphyxia: Describe and discuss patho-physiology, clinical features, post- mortem findings and medico-legal aspects of traumatic asphyxia, obstruction of nose & mouth, suffocation and sexual asphyxia	FM2.22	-
7	Mechanical Asphyxia	Describe and discuss types, patho-physiology, clinical features, post mortem findings and medico-legal aspects of drowning, diatom test and, gettler test.	FM2.23	-
8	Sexual Offences	Describe different types of sexual offences. Describe various sections of IPC regarding rape including definition of rape (Section 375 IPC), Punishment for Rape (Section 376 IPC) and recent amendments notified till date	FM3.13	Obstetrics & Gynaecology
		SEXUAL OFFENCES: Describe and discuss the examination of the victim of an alleged case of rape, and the preparation of report, framing the opinion and preservation and dispatch of trace evidences in such cases	FM3.14	
9	Sexual Offences	SEXUAL OFFENCES: Describe and discuss examination of accused and victim of sodomy, preparation of report, framing of opinion, preservation and dispatch of trace evidences in such cases	FM3.15	-
		SEXUAL OFFENCES: Describe and discuss adultery and unnatural sexual offences- sodomy, incest, lesbianism, buccal coitus, bestiality, indecent assault and preparation of report, framing the opinion and preservation and dispatch of trace evidences in such cases	FM3.16	

10	State Medicine	Describe the functions and role of Medical Council of India and State Medical Councils	FM4.3	-
		Describe the Indian Medical Register	FM4.4	
		Describe Medical Ethics and explain its historical emergence	FM4.1	
		Describe the Code of Medical Ethics 2002 conduct, Etiquette and Ethics in medical practice and unethical practices & the dichotomy	FM4.2	
		Demonstrate respect to laws relating to medical practice and Ethical code of conduct prescribed by Medical Council of India and rules and regulations prescribed by it from time to time	FM4.28	
11	State Medicine	Rights/privileges of a medical practitioner, penal erasure, infamous conduct, disciplinary Committee, disciplinary procedures, warning notice and penal erasure	FM4.5	-
		Describe the Laws in Relation to medical practice and the duties of a medical practitioner towards patients and society	FM4.6	
		Enumerate rights, privileges and duties of a Registered Medical Practitioner. Discuss doctor- patient relationship: professional secrecy and privileged communication	FM4.24	
		Describe communication between doctors, public and media	FM4.10	
		Describe the Consumer Protection Act-1986 (Medical Indemnity Insurance, Civil Litigations and Compensations), Workman's Compensation Act & ESI Act	FM4.8	
12	State Medicine	Describe and discuss euthanasia	FM4.11	-
		Describe & discuss the challenges in managing medico-legal cases including development of skills in relationship management – Human behaviour, communication skills, conflict resolution techniques	FM4.14	
		Describe the principles of handling pressure – definition, types, causes, sources and skills for managing the pressure while dealing with medico-legal cases by the doctor	FM4.15	
		Describe and discuss Bioethics	FM4.16	
		Describe and discuss ethical Principles: Respect for autonomy, non- malfesance, beneficence & justice	FM4.17	
		Clinical research & Ethics	FM4.25	
		Discuss human experimentation including clinical trials	FM4.26	
		Discuss the constitution and functions of ethical committees	FM4.26	
		Describe and discuss Ethical Guidelines for Biomedical Research on Human Subjects & Animals	FM4.27	
Discuss legal and ethical issues in relation to stem cell research	FM4.12			
13	State Medicine	Describe and discuss medical negligence including civil and criminal negligence, contributory negligence, corporate negligence, vicarious liability, Res Ipsa Loquitor, prevention of medical negligence and defenses in medical negligence litigations	FM4.18	AETCOM
		Define Consent. Describe different types of consent and ingredients of informed consent. Describe the rules of consent and importance of consent in relation to age, emergency situation, mental illness and alcohol intoxication	FM4.19	
		Describe therapeutic privilege, Malingering,	FM4.20	

		Therapeutic Misadventure, Professional Secrecy, Human Experimentation		
		Describe Products liability and Medical Indemnity Insurance	FM4.21	
		Explain Oath – Hippocrates, Charaka and Sushruta and procedure for administration of Oath.	FM4.22	
		Describe the modified Declaration of Geneva and its relevance	FM4.23	
14	General Toxicology	Describe the history of Toxicology	FM8.1	Pharmacology
		Define the terms Toxicology, Forensic Toxicology, Clinical Toxicology and poison	FM8.2	
		Describe the various types of poisons, Toxicokinetics, and Toxicodynamics and diagnosis of poisoning in living and dead	FM8.3	
15	General Toxicology	Describe the general symptoms, principles of diagnosis and management of common poisons encountered in India	FM8.6	-
		Describe basic methodologies in treatment of poisoning: decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination	FM8.8	
16	General Toxicology	Describe Medico-legal autopsy in cases of poisoning	FM8.5	-
		Describe the Laws in relations to poisons including NDPS Act, Medico-legal aspects of poisons	FM8.4	
		Describe the procedure of intimation of suspicious cases or actual cases of foul play to the police, maintenance of records, preservation and dispatch of relevant samples for laboratory analysis.	FM8.9	
17	Caustics	Describe General Principles and basic methodologies in treatment of poisoning: decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination with regard to: Caustics Inorganic – sulphuric, nitric, and hydrochloric acids	FM9.1	-
18	Caustics	Describe General Principles and basic methodologies in treatment of poisoning: decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination with regard to: Caustics Organic- Carbolic Acid (phenol), Oxalic and acetylsalicylic acids	FM9.1	-
19	Metallic irritants	Describe General Principles and basic methodologies in treatment of poisoning: decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination with regard to Arsenic, lead	FM9.3	-
20	Metallic irritants	Describe General Principles and basic methodologies in treatment of poisoning: decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination with regard to mercury, copper, iron, cadmium and thallium	FM9.3	-
21	Forensic Psychiatry	Classify common mental illnesses including post-traumatic stress disorder (PTSD)	FM5.1	Psychiatry
		Define, classify and describe delusions, hallucinations, illusion, lucid interval and obsessions with exemplification	FM5.2	
		Describe Civil and criminal responsibilities of a mentally ill person	FM5.3	
		Differentiate between true insanity from feigned insanity	FM5.4	
		Describe & discuss Delirium tremens	FM5.5	

**Bharati Vidyapeeth Deemed To Be University Medical College Pune**  
**III MBBS: Part I**  
**VI and VII Semester**

**DEPARTMENT OF FORENSIC MEDICINE AND TOXICOLOGY**

**Lectures Schedule: Duration: One hr/lecture**

Lecture no.	Topic	Content	Competency	Integration
1	Impotency, Sterility	Define and discuss impotence, sterility, frigidity, sexual dysfunction, premature ejaculation. Discuss the causes of impotence and sterility in male and female	FM3.22	-
		Discuss Sterilization of male and female, artificial insemination, Test Tube Baby, surrogate mother, hormonal replacement therapy with respect to appropriate national and state laws	FM3.23	
		Discuss the relative importance of surgical methods of contraception (vasectomy and tubectomy) as methods of contraception in the National Family Planning Programme	FM3.24	
		Discuss the major results of the National Family Health Survey	FM3.25	
		Discuss the national Guidelines for accreditation, supervision & regulation of ART Clinics in India	FM3.26	
2	Abortion	Define, classify and discuss abortion, methods of procuring MTP and criminal abortion and complication of abortion. MTP Act 1971	FM3.27	Obstetrics & Gynaecology,
		Describe evidences of abortion - living and dead, duties of doctor in cases of abortion, investigations of death due to criminal abortion	FM3.28	
3	Infanticide	Define and discuss infanticide, foeticide and stillbirth	FM2.27	Pediatrics
		Describe and discuss signs of intrauterine death, signs of live birth, viability of foetus, age determination of foetus, DOAP session of ossification centres, Hydrostatic test, Sudden Infants Death syndrome and Munchausen's syndrome by proxy	FM2.28	
		Describe and discuss child abuse and battered baby syndrome	FM3.29	
4	Agricultural poisons	Describe General Principles and basic methodologies in treatment of poisoning: decontamination, supportive therapy, antidote therapy, procedures of enhanced	FM9.5	General Medicine

		elimination with regard to Organophosphates, Carbamates		
5	Agricultural poisons	Describe General Principles and basic methodologies in treatment of poisoning: decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination with regard to Organochlorines, Pyrethroids, Paraquat, Aluminium and Zinc phosphide	FM9.5	General Medicine
6	Biotoxicology	Describe features and management of Snake bite, scorpion sting, bee and wasp sting and spider bite	FM11.1	General Medicine
7	Alcohol	Describe General Principles and basic methodologies in treatment of poisoning: decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination with regard to Ethanol	FM9.4	-
8	Alcohol	Describe General Principles and basic methodologies in treatment of poisoning: decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination with regard to methanol, ethylene glycol	FM9.4	-
9	Anti-pyretics	Describe General Principles and basic methodologies in treatment of poisoning: decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination with regard to: i. Antipyretics – Paracetamol, Salicylates	FM10.1	Pharmacology
10	Neuropsychotoxicology (Barbiturates and all)- 1	Describe General Principles and basic methodologies in treatment of poisoning: decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination with regard to: Neuropsychotoxicology Barbiturates, benzodiazepins phenytoin, lithium, haloperidol, neuroleptics, tricyclics	FM10.1	Pharmacology
11	Narcotic Analgesics, Anaesthetics, and Muscle Relaxants	Describe General Principles and basic methodologies in treatment of poisoning: decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination with regard to: Narcotic Analgesics, Anaesthetics, and Muscle Relaxants	FM10.1	Pharmacology
12	Narcotic Analgesics, Anaesthetics, and Muscle Relaxants	Describe General Principles and basic methodologies in treatment of poisoning: decontamination, supportive therapy, antidote therapy, procedures of enhanced	FM10.1	Pharmacology



		elimination with regard to: Narcotic Analgesics, Anaesthetics, and Muscle Relaxants		
	Substance abuse	Describe features and management of abuse/poisoning with following camicals: Tobacco, cannabis, amphetamines, cocaine, hallucinogens, & solvent	FM12.1	-
13	Torture	Describe and discuss issues relating to torture, identification of injuries caused by torture and its sequaleae, management of torture survivors	FM3.30	AETCOM
		Torture and Human rights Describe and discuss guidelines and Protocols of National Human Rights Commission regarding torture	FM3.31	
		Should be able to demonstrate the professionalism while dealing with victims of torture and human right violations, sexual assaults- psychological consultation, rehabilitation	FM3.33	
		Describe special protocols for conduction of medico-legal autopsies in cases of death in custody or following violation of human rights as per National Human Rights Commission Guidelines	FM2.15	

**Bharati Vidyapeeth Deemed To Be University Medical College Pune**

**DEPARTMENT OF FORENSIC MEDICINE AND TOXICOLOGY**

**III MBBS: Part I**

**VI and VII Semester**

**Small group teaching Schedule:Duration: One hr/SGT**

Sr. No.	Topic	Content	Competency No.	SGT Method*
1	Sickness certificate	Describe the importance of documentation in medical practice in regard to medicolegal examinations, Medical Certificates and medicolegal reports especially - documents of issuance of sickness and fitness certificate.	FM1.9	Demonstration
2	Demo- Autopsy	Conduct & prepare post-mortem examination report of varied etiologies (at least 15) in a simulated/ supervised environment	FM14.5	Group discussion
3	MLA of Injury	Mechanical injuries and wounds: Define injury, assault & hurt. Describe IPC pertaining to injuries	FM3.4	Tutorial
		Mechanical injuries and wounds: Describe accidental, suicidal and homicidal injuries. Describe simple, grievous and dangerous injuries. Describe ante-mortem and post-mortem injuries	FM3.5	
		Describe factors influencing infliction of injuries and healing, examination and certification of wounds and wound as a cause of death: Primary and Secondary	FM3.7	
4	Thermal Death	Describe the clinical features, post-mortem finding and medicolegal aspects of injuries due to physical agents like heat or cold	FM2.24	Tutorial
		Describe types of injuries, clinical features, patho-physiology, post-mortem findings and medico-legal aspects in cases of burns, scalds, lightning, electrocution and radiations	FM2.25	
5	Samples for DNA Fingerprinting	To collect, preserve, seal and dispatch exhibits for DNA-Finger printing using various formats of different laboratories.	FM14.21	Group discussion
6	Radiographs	Identification	FM3.2	Demonstration
		Mechanical Injuries	FM3.6	
		Firearm Injuries	FM3.10	
7	Expert witness	To give expert medical/ medico-legal evidence in Court of law	FM14.22	Group discussion
8	Dying declaration	To record and certify dying declaration in a simulated/ supervised environment	FM14.20	Group discussion
9	Photographs	Identification, Forensic Pathology, Mechanical Injuries, Firearm Injuries, Toxicology	FM3.2	Demonstration
10	Specimens		FM2.9	
			FM3.3	Demonstration
			FM3.10	
FM14.17				
11	Examination of victim	To examine & prepare medico-legal report of a victim of sexual offence/unnatural sexual offence in a simulated/ supervised environment	FM14.15	Group discussion
12	Examination of alleged accused	To examine & prepare report of an alleged accused in rape/unnatural sexual offence in a simulated/ supervised environment	FM14.14	Group discussion
13	Sexual paraphilia	Describe and discuss the sexual perversions fetishism, transvestism, voyeurism, sadism, necrophagia, masochism, exhibitionism, frotteurism, Necrophilia	FM3.17	Seminar
14	Injury 1 (Mechanical)	Mechanical injuries and wounds: Define, describe and classify different types of mechanical injuries, abrasion, bruise, laceration, stab wound, incised wound, chop wound, defense wound, self-inflicted/fabricated wounds and their medico-legal aspects	FM3.3	Tutorial
15	Forensic Laboratory investigation in medical legal practice	Describe different types of specimen and tissues to be collected both in the living and dead: Body fluids (blood, urine, semen, faeces saliva), Skin, Nails, tooth pulp, vaginal smear, viscera, skull,	FM6.1	Group discussion

		specimen for histo-pathological examination, blood grouping, HLA Typing and DNA Fingerprinting. Describe Locard's Exchange Principle		
16	Forensic Laboratory investigation in medical legal practice	Describe the methods of sample collection, preservation, labelling, dispatch, and interpretation of reports	FM6.2	
		Demonstrate professionalism while sending the biological or trace evidences to Forensic Science laboratory, specifying the required tests to be carried out, objectives of preservation of evidences sent for examination, personal discussions on interpretation of findings	FM6.3	
17	Documents. Medical Records	Describe the importance of documentation in medical practice in regard to medicolegal examinations, Medical Certificates and medicolegal reports especially - maintenance of patient case records, discharge summary, prescribed registers to be maintained in Health Centres. - maintenance of medico-legal register like accident register.	FM1.9	Group discussion
18	Examination of blood, hair, fiber, semen and other body fluids	Demonstrate and interpret medico-legal aspects from examination of hair (human & animal) fibre, semen & other biological fluids	FM14.6	Group discussion
		Demonstrate & identify that a particular stain is blood and identify the species of its origin	FM14.7	
		Demonstrate the correct technique to perform and identify ABO & RH blood group of a person	FM14.8	
19	Mechanical Asphyxia	Define, classify and describe asphyxia and medico-legal interpretation of post-mortem findings in asphyxial deaths	FM2.20	Tutorial
		Describe and discuss different types of hanging and strangulation including clinical findings, causes of death, post-mortem findings and medico-legal aspects of death due to hanging and strangulation including examination, preservation and dispatch of ligature material	FM2.21	
		Describe and discuss patho-physiology, clinical features, post-mortem findings and medico-legal aspects of traumatic asphyxia, obstruction of nose & mouth, suffocation and sexual asphyxia	FM2.22	
		Describe and discuss types, patho-physiology, clinical features, post mortem findings and medico-legal aspects of drowning, diatom test and, gettler test.	FM2.23	
20	Demo- Autopsy	Conduct & prepare post-mortem examination report of varied etiologies (at least 15) in a simulated/ supervised environment	FM14.5	Group discussion
21	Mass disaster	Demonstrate ability to use local resources whenever required like in mass disaster situations	FM2.33	Seminar
		Demonstrate ability to use local resources whenever required like in mass disaster situations	FM2.34	
22	Gastric lavage	Describe basic methodologies in treatment of poisoning: decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination	FM8.8	Group discussion
23	Clinical Examination of patient of poisoning	Demonstrate the correct technique of clinical examination in a suspected case of poisoning & prepare medico-legal report in a simulated/ supervised environment	FM14.2	Group discussion
24	Viscera preservation technique	Assist and demonstrate the proper technique in collecting, preserving and dispatch of the exhibits in a suspected case of poisoning, along with clinical examination	FM14.3	Demonstration
		Describe and discuss examination of clothing, preservation of viscera on post-mortem examination for chemical analysis and other medico-legal purposes, post-mortem artefacts	FM2.14	
		Describe preservation and dispatch of viscera for chemical analysis	FM8.5	
25	Non-metallic irritants	Describe General Principles and basic methodologies in treatment of poisoning: decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination with regard to Phosphorus, Iodine, Barium	FM9.2	Seminar
26	Injury 2	Firearm injuries: Describe different types of firearms including structure and	FM3.9	Tutorial

	components. Along with description of ammunition propellant charge and mechanism of fire-arms, different types of cartridges and bullets and various terminology in relation of firearm – caliber, range, choking		
	Firearm injuries: Describe and discuss wound ballistics-different types of firearm injuries, blast injuries and their interpretation, preservation and dispatch of trace evidences in cases of firearm and blast injuries, various tests related to confirmation of use of firearms	FM3.10	
	Regional Injuries: Describe and discuss regional injuries to head (Scalp wounds, fracture skull, intracranial haemorrhages, coup and contrecoup injuries), neck, chest, abdomen, limbs, genital organs, spinal cord and skeleton	FM3.11	
	Regional Injuries Describe and discuss injuries related to fall from height and vehicular injuries – Primary and Secondary impact, Secondary injuries, crush syndrome, railway spine	FM3.12	

\*SGT Method-Group discussion/ Tutorial/seminar/DOAP/Practical/ skills lab

Batches for small group: 30 students per batch:

Batch	Roll No.s
A	1-30
B	31-60
C	61-90
D	91-120
E	121-150

**Bharati Vidyapeeth Deemed To Be University Medical College Pune**

**III MBBS: Part I**

**VI and VII Semester**

**DEPARTMENT OF FORENSIC MEDICINE AND TOXICOLOGY**

**Small group teaching Schedule: Duration : One hr/SGT**

<b>Sr. No.</b>	<b>Topic</b>	<b>Content</b>	<b>Competency No.</b>	<b>SGT Method*</b>
1	Forensic Pathology 1	Define, describe and discuss death and its types including somatic/clinical/cellular, molecular and brain-death, Cortical Death and Brainstem Death	FM2.1	Tutorial
		Describe and discuss natural and unnatural deaths	FM2.2	
		Describe and discuss issues related to sudden natural deaths	FM2.3	
		Describe salient features of the Organ Transplantation and The Human Organ Transplant (Amendment) Act 2011 and discuss ethical issues regarding organ donation	FM2.4	
		Discuss moment of death, modes of death - coma, asphyxia and syncope	FM2.5	
		Discuss presumption of death and survivorship	FM2.6	
		Describe and discuss suspended animation	FM2.7	
2	Forensic Pathology 2	Describe and discuss postmortem changes including signs of death, cooling of body, post-mortem lividity, rigor mortis, cadaveric spasm, cold stiffening and heat stiffening	FM2.8	Tutorial
		Describe putrefaction, mummification, adipocere and maceration	FM2.9	
		Discuss estimation of time since death	FM2.10	
		Describe and discuss autopsy procedures including post-mortem examination, different types of autopsies, aims and objectives of post-mortem examination	FM2.11	
		Describe the legal requirements to conduct post-mortem examination and procedures to conduct medico-legal post-mortem examination	FM2.12	
3	Veg Irritants	Describe and discuss obscure autopsy	FM2.13	Seminar
		To identify & draw medico-legal inference from common poisons e.g. castor, marking nut, abrus seeds, capsicum	FM14.17	
4	Metallic irritants	To identify & draw medico-legal inference from common poisons e.g. dhatura, cannabis, calotropis	FM14.17	Seminar
5	Delirients	Describe General Principles and basic methodologies in treatment of poisoning: decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination with regard to Arsenic, lead, mercury, copper, iron, cadmium and thallium	FM9.3	Tutorial
6	Agricultural poisons	To identify & draw medico-legal inference from common poisons e.g. dhatura, cannabis, calotropis	FM14.17	Seminar
7	Asphyxiants	Describe General Principles and basic methodologies in treatment of poisoning: decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination with regard to Organophosphates, Carbamates, Organochlorines, Pyrethroids, Paraquat, Aluminium and Zinc phosphide	FM9.5	Tutorial
8	Asphyxiants	Describe General Principles and basic methodologies in treatment of poisoning: decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination with regard to Ammonia, carbon monoxide, hydrogen cyanide & derivatives, methyl isocyanate, tear (riot control) gases	FM9.6	Seminar
		Describe General Principles and basic methodologies in treatment of poisoning: decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination with regard to Ammonia, carbon monoxide, hydrogen cyanide & derivatives, methyl isocyanate, tear (riot control) gases		
9	Spinal poisons	Describe General Principles and basic methodologies in treatment of poisoning: decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination with regard to: Cardiovascular Toxicology Cardiovascular Toxicology plants – oleander, odollam, aconite, digitalis	FM14.17	Seminar
10	Cardiotoxic plants	To identify & draw medico-legal inference from common poisons- Nux vomica	FM14.17	Seminar
		Describe General Principles and basic methodologies in treatment of poisoning: decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination with regard to: Cardiovascular Toxicology Cardiovascular Toxicology plants – oleander, odollam, aconite, digitalis	FM10.1	Seminar

11	Medico-legal report on Alcohol intoxication	To examine & prepare medico-legal report of drunk person in a simulated/ supervised environment	FM14.16	Demonstration
12	Snake bite	Describe features and management of Snake bite, scorpion sting, bee and wasp sting and spider bite	FM11.1	Tutorial
13	Toxicology Demo	To identify & draw medico-legal inference from common poisons e.g. dhatura, castor, cannabis, opium, aconite copper sulphate, pesticides compounds, marking nut, oleander, Nux vomica, abrus seeds, Snakes, capsicum, calotropis, lead compounds & tobacco.	FM14.17	Demonstration
14	Toxicology Demo			
15	Toxicology Demo	To identify & draw medico-legal inference from common poisons e.g. dhatura, castor, cannabis, opium, aconite copper sulphate, pesticides compounds, marking nut, oleander, Nux vomica, abrus seeds, Snakes, capsicum, calotropis, lead compounds & tobacco.	FM14.17	Demonstration
16	Toxicology Demo			
17	Virginity, Pregnancy, Delivery	Describe anatomy of male and female genitalia, hymen and its types. Discuss the medico-legal importance of hymen. Define virginity, defloration, legitimacy and its medicolegal importance	FM3.18	Tutorial
		Discuss the medicolegal aspects of pregnancy and delivery, signs of pregnancy, precipitate labour superfoetation, superfecundation and signs of recent and remote delivery in living and dead	FM3.19	
		Discuss disputed paternity and maternity	FM3.20	
		Discuss Pre-conception and Pre Natal Diagnostic Techniques (PC&PNDT) - Prohibition of Sex Selection Act 2003 and Domestic Violence Act 2005	FM3.21	
18	Abortion	Define, classify and discuss abortion, methods of procuring MTP and criminal abortion and complication of abortion. MTP Act 1971	FM3.27	Tutorial
		Describe evidences of abortion - living and dead, duties of doctor in cases of abortion, investigations of death due to criminal abortion	FM3.28	
19	Emerging technologies	Enumerate the indications and describe the principles and appropriate use for: DNA profiling, Facial reconstruction, Polygraph (Lie Detector), Narcoanalysis, Brain Mapping, Digital autopsy, Virtual Autopsy, Imaging technologies	FM7.1	Seminar

\*SGT Method-Group discussion/ Tutorial/seminar/DOAP/Practical/ skills lab

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**Bharati Vidyapeeth Deemed To Be University Medical College Pune**

**III MBBS: Part I**

**VI and VII Semester**

**DEPARTMENT OF Community Medicine**

**Lecture: Duration: One hr/Lecture**

<b>Lecture no.</b>	<b>Topic</b>	<b>Content</b>	<b>Competency No.</b>	<b>Integration</b>
1	Epidemiology and Prevention of Airborne Infection: I	(Chickenpox, Rubella, Measles, Mumps, Influenza.)	CM 8.1	
2	Airborne Infection:	II Acute Respiratory Tract Infection	CM 8.1	
3	Airborne Infection III -	Tuberculosis and NTEP	CM 8.1, CM 8.3	
4	Airborne Infection IV –	SARS/COVID 19	CM 8.1	
5	Epidemiology and Prevention of Intestinal Infections - I	Diarrheal diseases, Cholera	CM 8.1	Vertical-Medicine
6	Intestinal Infections - II	Viral Hepatitis, Typhoid, Polio	CM 8.1	Vertical-Medicine
7	Test	On topics 1-6	CM 8.1 CM8.3	
8	Epidemiology and Prevention of Arthropod borne diseases - I	Malaria, dengue fever, chickenguniya and Filariasis	CM 8.1	
9	Zoonotic diseases - II	Rabies, Plague, Japanese encephalitis, leptospirosis	CM 8.1	
10	Surface Infections - I	Leprosy, STD, AIDS	CM 8.1	
11	Hospital acquired infections	Epidemiology and prevention	CM 8.1	Vertical Medicine
12	Guest lecture on IDSP	Definition, types of Surveillance, infectious disease	CM 8.1, 8.5, 8.7	
13	MCQ test	On topics 7-12	CM 8.1, 8.5, 8.7	
14	MCH-I	ANC, PNC, New-born care	CM10.1, CM 10.2, CM 10.3, CM 10.4	Vertical - OBGY
15	MCH-II	Programmes related to MCH-JSY, JSSK and other MCH programme	CM 10.5	Vertical - Pediatrics
16	MCH-III	Adolescent health, ARSH clinic	CM 10.8, CM 9.1	Vertical - Pediatrics
17	Geriatric health	Epidemiology, health problems, prevention and various schemes related to old age	CM 12.1-12.4	Vertical Medicine
18	Mental health I	Problem statement	CM 15.1, CM 15.2	
19	Mental health II	Prevention, National	CM 15.3	

		Mental health problem		
20	Disaster management (alignment with FMT)	Definition, types , disaster cycle, disaster preparedness	CM 13.1-13.4	Horizontal Forensic Medicine
21	Genetics	Classification of genetic disorders, preventive genetics		
22	Guest lecture on organ donation	Importance, laws related to donation, organ retrieval and donation center criteria	CM 20.4	
23	Health care delivery system in India I	Central and state level organization	CM 17.1	
24	Health care delivery system in India II	District and village level organization	CM 17.3	
25	Demographic and family planning	National population policy, causes of population explosion, vital statistics, Epidemiological transition	CM 9.3,CM 9.4,CM 9.6	
26	Cancers-	Types of cancer, Epidemiology of common cancers	CM 8.2	Vertical - OBGY
27	Hypertension with NPCDCC	Epidemiology, risk factors, prevention, DASH diet, National programme, NPCDCS	CM 8.2, CM 8.3	Vertical Medicine
28	Diabetes with NPCDCC	Epidemiology, risk factors, prevention, diet, management, National programme, NPCDCS	CM 8.2, CM 8.3	Vertical Medicine
29	Obesity	Epidemiology, various methods of assessment, prevention, diet, management, National programme, NPCDCS	CM 8.2	
30	Blindness	Epidemiology, types of blindness, prevention, VISION 2020	CM 8.2	
31	Accidents	Epidemiology, prevention including legislations	CM 8.2	
32	Nutrition	Surveillance and Rehabilitation	CM 5.5	
33	National nutritional programmes	Description of seven nutritional programmes in detail	CM 5.6	
34	Student seminar on National health mission	Content- objectives, strategy, evaluation	CM 8.3	
35	Essentials of management I	Introduction , material , manpower	CM 8.5,16.1, 16.2	



		management, qualities of a leader and management		
36	Essentials of management II	Modern management techniques	CM 16.3,16.4	
37	Recent advances	Digital India , Health Insurance		
38	Tribal health	Health issues, challenges		
39	Essential Medicine		CM 19.1,19.2,19.3	Vertical-Pharmac
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**Bharati Vidyapeeth Deemed To Be University Medical College Pune**

**III MBBS: Part I**

**VI and VII Semester**

**DEPARTMENT OF COMMUNITY MEDICINE**

**Small group teaching Schedule: Duration: 2hrs/SGT**

<b>Sr. No.</b>	<b>Topic</b>	<b>Content</b>	<b>Competency No.</b>	<b>SGT Method*</b>
1	Bio medical waste management (Vertical Integration with Micro)	Sources, hazards, Classification, method of disposal, Bio Medical Waste Management Law-2016	14.1,14.2,14.3	Practical demonstration
2	Principles and measures to control disease epidemic	Definition, types of epidemic, measures to control	CM 8.4 CM 20.2	Scenario based small group discussion
3	Investigation of food poisoning	Steps of investigations including report writing , types of food poisoning	CM 8.1 CM 7.7	Scenario based small group discussion
4	Planning cycle	Steps of planning cycle, preplanning phase, implementation , evaluation , modification suggested if any	CM 16.2	Small group discussion
5	Debate on gender issues and empowerment	Gender inequality, status in India, women empowerment, laws related	CM 10.9	Debate in small group
6	Quiz on TB	Epidemiology, problem statement, measurement of the TB burden, management, NTEP	CM 8.1	Quiz participation
7	Evaluation of health education programme	Demonstrate and description of the health education programme indicators	CM 4.3	Small group discussion
8	Family Planning I	methods with advantages and short comings evaluation of contraceptive devices , Family welfare programme, National population policy evaluation of contraceptive devices , Family welfare programme	CM 10.6 CM 10.7	Small group discussion
9	Mindfulness session by Psychiatry faculty	Introduction to the concept, importance, hands on session	CM 15.1, CM 15.2, CM 15.3	Practical
10	Epidemiology Exercises I	measurements in epidemiology, problems on descriptive studies, problems on analytical studies	CM 7.4,CM 7.5 CM 7.4, CM 7.5,	Small group discussion
11	Epidemiology Exercises II	problems on experimental studies, environment health (water)	CM 7.4, CM 3.2, CM 3.6	Small group discussion
12	Biostat Exercises I	Sources, types of data, presentation of data,measures of central tendency and variability,probability and normal curve	CM 6.2, 6.4	Small group discussion
13	Biostat Exercises II	sampling, standard errors of mean and proportions,Test of significance	CM 6.3, CM 6.4	Small group discussion
14	Biostat Exercises III	Corelation, fallacies in Biostatiscyics, Health information system, statistical	CM 6.2, CM 7.3, CM 7.4, CM 8.7, CM 9.7, CM 6.2,	Small group discussion

		software, role of computer in statistics and epidemiology and screening for disease	CM 7.9, CM 7.6	
15	Nutrition I	sources of nutrients, classification of food cereals , pulses	CM 5.1, CM 5.3	Demonstration in small groups
16	Nutrition II	Nutritional significance of various food groups	CM 5.1, CM 5.3	small group discussion
17	Nutrition III	Balanced diet, nutritional requirement of various physiological groups including pregnancy lactation Nutritional assessment	CM 5.1, CM 5.2	small group discussion
18	Nutrition IV	Therapeutic diet, community Nutritional assessment, nutritional education, nutritional surveillance	CM 5.2, CM 5.4, CM 5.5	Case scenario
19	Tutorial 1	Man and Medicine, concept of Health and disease Principles of Epidemiology and epidemiological methods, screening for the disease	CM1.1-CM1.10 CM7.1-CM7.9	Writing of the theory questions, discussion of the ideal answers by the teacher, Peer assessment and feedback
20	Tutorial 2	Epidemiology of Respiratory and intestinal infections	CM8.1,CM 8.3	Writing of the theory questions, discussion of the ideal answers by the teacher, Peer assessment and feedback
21	Tutorial 3	Epidemiology of arthropod borne diseases and zoonotic diseases,	CM8.1,CM 8.3	Writing of the theory questions, discussion of the ideal answers by the teacher, Peer assessment and feedback
22	Tutorial 4	surface infections, emerging reemerging infections and hospital acquired infections	CM8.1,CM 8.3	Writing of the theory questions, discussion of the ideal answers by the teacher, Peer assessment and feedback
23	Tutorial 5	epidemiology of non communicable diseases Health information and Basic Medical statistics	CM8.2,CM8.3, CM6.1-CM6.4	Writing of the theory questions, discussion of the ideal answers by the teacher, Peer assessment and feedback
24	Tutorial 6	Environment and health, genetics and health,Medicine and social sciences	CM2.1-M2.5,CM 3.1-CM3.8, CM20.1-CM 20.4	Writing of the theory questions, discussion of the ideal answers by the teacher, Peer assessment and feedback
25	Tutorial 7-	Demography and Family Planning Reproductive maternal and child health and Geriatrics	CM9.1- CM9.7,CM10.1-CM10.9 CM 10.1-CM 10.9,CM12.1-CM12.4	Writing of the theory questions, discussion of the ideal answers by the teacher, Peer assessment and feedback
26	Tutorial 8	Nutrition and Health	CM 5.1-CM 5.8	Writing of the theory questions, discussion of the ideal answers by the teacher, Peer assessment and feedback
27	Tutorial 9	Occupational health and Mental health	CM 11.1- CM11.5 CM 15.1-CM 15.3	Writing of the theory questions, discussion of the ideal answers by the teacher, Peer assessment

				and feedback
28	Tutorial 10	Communication for health education, Health planning and management	CM 4.1-CM 4.3,CM16.1-CM16.4	Writing of the theory questions, discussion of the ideal answers by the teacher, Peer assessment and feedback
29	Tutorial 11-	Hospital waste management, disaster management, MDG to SDG	CM 13.1-13.4,CM 14.1-CM14.3	Writing of the theory questions, discussion of the ideal answers by the teacher, Peer assessment and feedback
30				

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**Bharati Vidyapeeth Deemed To Be University Medical College Pune  
MBBS-Phase III- Part I**

**DEPARTMENT OF Community Medicine**

**Clinical Posting Schedule: 4 weeks**

(Total weeks 4; 24 days x 3hours per day = 72hours)

<b>Day of posting</b>	<b>Topic/s</b>	<b>Competency</b>	<b>Hours</b>	<b>Teaching learning method: bedside clinic/ Skills lab/ Clinical clerkship</b>
1	Orientation of the posting	CM10.2-CM10.5,CM2.1-CM2.5	3	Small group discussion
2	#UHC visit	CM 17.5, CM 8.3, CM 19.1 to CM 19.3	3	Educational visit and Small group discussion
3	UHC-Hospital Waste disposal methods	CM 14.1 to CM 14.3, CM 8.7	3	DOAP, Small group discussion
4	UHC- Family planning OPD	CM 9.5,CM9.6, CM 10.6, CM4.3	3	Educational visit and Small group discussion
5	UHC- Immunization OPD	CM 10.5,CM 8.3	3	Educational visit and Small group discussion
6	Reflection		3	
7	UHC- DOTS Center	CM 8.3	3	Educational visit and Small group discussion
8	UHC- ANC OPD	CM 10.3,CM 10.4	3	Small group discussion
9	UHC -Medicine OPD	CM 8.1 to CM 8.5	3	
10	Training session for health workers	CM 8.6	3	DOAP
11	*Extension activity	CM 4.2	3	DOAP
12	Biostatistics revision I	CM 6.2 to CM 6.4	3	Small group discussion
13	Biostatistics revision II	CM 6.2 to CM 6.4	3	Small group discussion
14	Biostatistics revision III	CM 6.2 to CM 6.4	3	Small group discussion
15	Introduction to family health survey	CM 2.1 to CM 2.5	3	Small group discussion
16	Orientation of RHTC	CM 17.1 to Cm 17.5	3	Small group discussion
17	@Family health survey I	CM 2.1 to CM 2.5	3	Small group discussion
18	Family health survey II	CM 2.1 to CM 2.5	3	Small group discussion
19	Reflection and feedback		3	Small group discussion
20	Family health survey III	CM 2.1 to CM 2.5	3	Small group discussion
21	Family health survey IV	CM 2.1 to CM 2.5	3	Small group discussion
22	Reflection and community diagnosis	CM 17.2	3	Small group discussion
23	Visit to milk dairy	CM 5.7	3	Small group discussion
24	Anganwadi visit	CM 5.6, CM 10.2 to CM 10.5	3	Small group discussion
	End of clinical posting exam		3	

Instructions: \*Extension activity- Health education session to be planned on the topic of public health importance allotted by the batch teacher and activity to be conducted in the field practice area of UHTC, reflection to be written in the log book. RHTC/UHTC.

#Urban Health Centre of corporation affiliated to the BVDTUMC Pune. To write the reflections of visit in the log book. Vehicle will start at 9:30 am sharp from college porch. Attendance to be signed at two places in vehicle and at UHTC.

@Family health survey each student will be allotted five families the information to be filled via KOBO tool and information of two families to be written in the journal.

**Bharati Vidyapeeth Deemed To Be University Medical College Pune**  
**III MBBS: Part I**  
**VI and VII Semester**

**DEPARTMENT OF Community Medicine**

**Clinical Posting Schedule: 2weeks**

(Total weeks 2; 12 days x 3hours per day = 36hours)

<b>Day of posting</b>	<b>Topic/s</b>	<b>Competency</b>	<b>Hours</b>	<b>Teaching learning method: bedside clinic/ Skills lab/ Clinical clerkship</b>
<b>1</b>	Introduction to case discussion format, Hospital Case discussion- Antenatal case	CM 10.1 -10.4	<b>3</b>	Small group discussion
<b>2</b>	Hospital Case discussion-Post natal case	CM10.1 - CM 10.6	<b>3</b>	Small group discussion
<b>3</b>	*Family Case discussion-Diabetes	CM 8.2- CM 8.5	<b>3</b>	Small group discussion
<b>4</b>	*Family Case discussion-Hypertension	CM 8.2 - CM 8.5	<b>3</b>	Small group discussion
<b>5</b>	Hospital Case discussion- Diarrhea/ARI	CM 8.1 ,CM8.3, CM 8.5	<b>3</b>	Small group discussion
<b>6</b>	Hospital Case discussion-Tuberculosis	CM 8.1 ,CM 8.3 ,CM 8.5	<b>3</b>	
<b>7</b>	Hospital Case discussion-Protein energy malnutrition	CM 8.1 , CM 8.3, CM 8.5	<b>3</b>	Small group discussion
<b>8</b>	Case studies revision	CM 8.1 to CM 8.5	<b>3</b>	
<b>9</b>	Visit to Primary health center	CM 17.1-CM17.5, CM8.1-CM 8.3	<b>3</b>	Small group discussion
<b>10</b>	Museum visit	Multiple competencies	<b>3</b>	
<b>11</b>	Visit to leprosy hospital	CM 8.1 and CM 8.3	<b>3</b>	Small group discussion
<b>12</b>	Reflection		<b>3</b>	Small group discussion
	End of clinical posting exam		<b>3</b>	

\*-History taking, examination and presentation to be done in the patients house in the field practice area of UHTC/RHTC.

**Bharati Vidyapeeth Deemed To Be University Medical College Pune**  
**III MBBS: Part I**  
**VI and VII Semester**

**DEPARTMENT OF DERMATOLOGY**  
**Lecture: Duration : One hr/Lecture**

Lecture no.	Topic	Content	Competency	Integration
1	Acne	Enumerate the causative and risk factors of acne  Describe the treatment and preventive measures for various kinds of acne	DR1.1  DR1.3	
2	Vitiligo	Describe the treatment of vitiligo	DR2.2	
3	Papulosquamous disorders	Enumerate the indications for and describe the various modalities of treatment of psoriasis including topical, systemic and phototherapy	DR3.3	
4	Lichen Planus	Enumerate and describe the treatment modalities for lichen planus	DR4.2	
5	Scabies	Describe the etiology, microbiology, pathogenesis, natural history, clinical features, presentations and complications of scabies in adults and children  Enumerate and describe the pharmacology, administration and adverse reaction of pharmacotherapies for scabies	DR5.1  DR5.3	Pediatrics  Pediatrics Pharmacology
6	Pediculosis	Describe the etiology pathogenesis and diagnostic features of pediculosis in adults and children	DR6.1	Pediatrics Microbiology
7	Fungal Infections	Describe the etiology, microbiology, pathogenesis and clinical presentations and diagnostic features of dermatophytes in adults and children  Describe the pharmacology and action of antifungal (systemic and topical) agents. Enumerate side effects of antifungal therapy	DR7.1  DR7.3	Microbiology  Microbiology Pharmacology
8	Viral infections	Describe the etiology, microbiology, pathogenesis and clinical presentations and diagnostic features of common viral infections of	DR8.1	Pediatrics Microbiology

		the skin in adults and children  Enumerate the indications and describe the pharmacology, administration and adverse reaction of pharmacotherapies for common viral illnesses of the skin	DR8.7	Pharmacology
9	Leprosy	Classify, describe the epidemiology, etiology, microbiology, pathogenesis, clinical presentations and diagnostic features of Leprosy  Enumerate, describe and identify lepra reactions and supportive measures and therapy of lepra reactions	DR9.1  DR9.4	General Medicine Community Medicine Microbiology  General Medicine Pharmacology
10	Leprosy	Enumerate the indications and describe the pharmacology, administration and adverse reaction of pharmacotherapies for various classes of leprosy based on national guidelines  Describe the treatment of Leprosy based on the WHO guidelines  Enumerate and describe the complications of leprosy and its management, including understanding disability and stigma	DR9.5  DR9.6  DR9.7	General Medicine Pharmacology Community Medicine  General Medicine Pharmacology Community Medicine  General Medicine Pharmacology Psychiatry
11	Sexually Transmitted Diseases	Enumerate the indications and describe the pharmacology, administration and adverse reaction of pharmacotherapies for syphilis  Describe the prevention of congenital syphilis	DR10.3  DR10.4	General Medicine Pharmacology Microbiology  General Medicine
12	Sexually Transmitted Diseases	Describe the etiology, diagnostic and clinical features of nonsyphilitic sexually transmitted diseases (chancroid, donovanosis and LGV)  Enumerate the indications and describe the pharmacology, indications and adverse reactions of drugs used in the nonsyphilitic sexually transmitted diseases (chancroid, donovanosis and LGV)	DR10.6  DR10.8	General Medicine Microbiology  General Medicine Pharmacology Microbiology



13	Sexually Transmitted Diseases	Describe the syndromic approach to ulcerative sexually transmitted diseases	DR10.9	General Medicine
		Describe the etiology, diagnostic and clinical features and management of gonococcal and nongonococcal urethritis	DR10.10	General Medicine
		Describe the etiology, diagnostic and clinical features and management of vaginal discharge	DR10.11	Obstetrics & Gynaecology
14	HIV	Describe the etiology, pathogenesis and clinical features of the dermatologic manifestations of HIV and its complications including opportunistic infections	DR11.1	General Medicine Microbiology
		Enumerate the indications and describe the pharmacology, administration and adverse reaction of pharmacotherapies for dermatologic lesions in HIV	DR11.3	General Medicine Microbiology Pharmacology
15	Dermatitis and Eczema	Describe the aetiopathogenesis of eczema	DR12.1	
		Classify and grade eczema	DR12.3	
		Enumerate the indications and describe the pharmacology, indications and adverse reactions of drugs used in the treatment of eczema	DR12.4	
16	Urticaria Angioedema	Describe the etiology, pathogenesis and clinical precipitating features and classification of Urticaria and angioedema	DR14.1	Microbiology Pathology
		Enumerate the indications and describe the pharmacology indications and adverse reactions of drugs used in urticaria and angioedema	DR14.5	Pharmacology
17	Pyoderma	Enumerate the indications and describe the pharmacology, indications and adverse reactions of topical and systemic drugs used in treatment of Pyoderma	DR15.3	General Surgery Microbiology Pharmacology
18	Nutritional Deficiencies and Skin	Enumerate and identify the cutaneous findings in vitamin A Deficiency	DR17.1	General Medicine Pediatrics

		Enumerate and describe the various skin changes in Vitamin B complex deficiency	DR17.2	Biochemistry General Medicine Pediatrics Biochemistry
		Enumerate and describe the various changes in Vitamin C deficiency	DR17.3	General Medicine Pediatrics Biochemistry
		Enumerate and describe the various changes in Zinc deficiency	DR17.4	General Medicine Pediatrics Biochemistry
19	Systemic diseases and the skin	Enumerate the cutaneous features of Type 2 diabetes	DR18.1	General Medicine
		Enumerate the cutaneous features of hypo/hyper-thyroidism	DR18.2	General Medicine
20	Human Anatomy	Describe structure & function of skin with its appendages	AN4.2	Dermatology, Venereology & Leprosy
		Describe modifications of deep fascia with its functions	AN4.4	Dermatology, Venereology & Leprosy
		Explain principles of skin incisions	AN4.5	Dermatology, Venereology & Leprosy
21	Pathology	Describe the risk factors, pathogenesis, pathology and natural history of squamous cell carcinoma of the skin	PA34.1	Dermatology, Venereology & Leprosy
		Describe the risk factors, pathogenesis, pathology and natural history of basal cell carcinoma of the skin	PA34.2	Dermatology, Venereology & Leprosy
		Describe the distinguishing features between a nevus and melanoma. Describe the etiology, pathogenesis, risk factors, morphology, clinical features and metastases of melanoma	PA34.3	Dermatology, Venereology & Leprosy
22	Microbiology	Describe the etio-pathogenesis of Skin and soft tissue infections and discuss the clinical course, and the laboratory diagnosis.	MI4.3	Dermatology, Venereology & Leprosy General Surgery

		Describe the etio-pathogenesis and discuss the laboratory diagnosis of sexually transmitted infections. Recommend preventive measures, wherever relevant.	MI7.2	Dermatology, Venereology & Leprosy Obstetrics & Gynaecology
	Pharmacology	Describe the mechanisms of action, types, doses, side effects, indications and contraindications of antileprotic drugs	PH1.46	Dermatology, Venereology & Leprosy Microbiology
		Describe drugs used in skin disorders	PH1.57	Dermatology, Venereology & Leprosy
	Term end Theory examination			

**Bharati Vidyapeeth Deemed To Be University Medical College Pune**  
**III MBBS: Part I**  
**VI and VII Semester**

**DEPARTMENT OF DERMATOLOGY**  
**Small group teaching Schedule: Duration: One hr /SGT**

S No.	Topic	Content	Competency No.	SGT Method*
1	Fungal Infections	Identify Candida species in fungal scrapings and KOH mount	DR7.2	DOAP session
2	Viral infections	Identify and distinguish herpes simplex and herpes labialis from other skin lesions Identify and distinguish herpes zoster and varicella from other skin lesions Identify and distinguish viral warts from other skin lesions Identify and distinguish molluscum contagiosum from other skin lesions  Enumerate the indications, describe the procedure and perform a Tzanck smear	DR8.2  DR8.3  DR8.4  DR8.5  DR8.6	DOAP session
3	Leprosy	Enumerate the indications and observe the performance of a slit skin smear in patients with leprosy	DR9.3	DOAP session
4	Sexually Transmitted Diseases	Identify spirochete in a dark ground microscopy Counsel in a non-judgemental and empathetic manner patients on prevention of sexually transmitted disease	DR10.2  DR10.5	DOAP session
5	Pyoderma	Enumerate the indications for surgical referral	DR15.4	DOAP session
6	Pathology	Identify, distinguish and describe common tumors of the skin	PA34.4	DOAP session
7	Pediatrics	Identify Atopic dermatitis and manage	PE31.4	Skills lab

\*SGT Method-Group discussion/ Tutorial/seminar/DOAP/Practical/ skills lab  
 Batches for small group: 30 students per batch

Batch	Roll No
A	1-30
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E	121-150

# Bharati Vidyapeeth Deemed To Be University Medical College Pune

## DEPARTMENT OF DERMATOLOGY

### III MBBS: Part I

#### VI and VII Semester

#### Clinical Posting Schedule:

(Total weeks 2; 12 days x 3hours per day = 36hours)

Day of posting	Topic/s	Competency	Hours	Teaching learning method: Bedside clinic/ Skills lab/ Clinical clerkship
1	Identify and grade the various common types of acne  Identify and differentiate vitiligo from other causes of hypopigmented lesions	DR1.2  DR2.1	6	Bedside clinic
2	Identify and distinguish psoriatic lesions from other causes  Demonstrate the grattage test	DR3.1  DR3.2	3	Bedside clinic
3	Identify and distinguish lichen planus lesions from other causes  Identify and differentiate scabies from other lesions in adults and children  Identify and differentiate pediculosis from other skin lesions in adults and children	DR4.1  DR5.2  DR6.2	6	Bedside clinic
4	Demonstrate (and classify based on) the clinical features of leprosy including an appropriate neurologic examination	DR9.2	3	Bedside clinic
5	Identify and classify syphilis based on the presentation and clinical manifestations  Identify and differentiate based on the clinical features non-syphilitic sexually transmitted diseases (chancroid, donovanosis and LGV)	DR10.1  DR10.7	3	Bedside clinic
6	Identify and distinguish the dermatologic manifestations of HIV, its complications, opportunistic infections and adverse reactions	DR11.2	3	Bedside clinic
7	Identify eczema and differentiate it from lichenification and changes of aging	DR12.2	3	Bedside clinic

	Define erythroderma. Enumerate and identify the causes of erythroderma. Discuss the treatment	DR12.5		
	Identify and distinguish exfoliative dermatitis from other skin lesions	DR12.6		
	Identify and distinguish fixed drug eruptions and Steven Johnson syndrome from other skin lesions	DR12.7		
8	Distinguish bulla from vesicles	DR13.1	3	Bedside clinic
	Demonstrate the Tzanck test, nikolsky sign and bulla spread sign	DR13.2		
	Calculate the body surface area of involvement of Vesiculobullous lesions	DR13.3		
9	Identify and distinguish urticarial from other skin lesions	DR14.2	3	Bedside clinic
	Demonstrate dermographism	DR14.3		
	Identify and distinguish angioedema from other skin lesions	DR14.4		
10	Identify and distinguish folliculitis impetigo and carbuncle from other skin lesions	DR15.1	2	Bedside clinic
	Identify staphylococcus on a gram stain	DR15.2		
	Identify and distinguish skin lesions of SLE	DR16.1		
	Identify and distinguish Raynaud's phenomenon	DR16.2		
	End of Posting Examination			

**Bharati Vidyapeeth Deemed To Be University Medical College Pune**

**III MBBS: Part I**

**VI and VII Semester**

**DEPARTMENT OF PSYCHIATRY**

**Lectures Schedule: Duration : One hr/Lecture**

<b>Lecture no.</b>	<b>Topic</b>	<b>Content</b>	<b>Competency</b>	<b>Integration</b>
1.	Introduction to Psychiatry	Describe the growth of Psychiatry as a medical specialty, its history and contribution to society	PS 3.1	
2.	Diagnosis of common mental disorders and classificatory systems	Enumerate, describe and discuss important signs and symptoms of common mental disorders	PS 3.2	
3.	Neurological basis of behaviour	Functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, limbic system with circuits	PY 8.7 PS 3.6	Physiology
4.	Biopsychosocial model of disease	Describe biological, psychological and social factors and their interactions in the causation of mental disorders	PS 3.6	
5.	Organic Psychiatric disorders	-Enumerate and describe common organic Psychiatric disorders, magnitude, etiology, clinical features Enumerate essential investigations in organic Psychiatric disorders Enumerate pharmacological basis of treatment	PS 3.7 PS 3.8 PS 3.10	General Medicine
6.	Schizophrenia	Classify and describe the magnitude and etiology of Schizophrenia and other psychotic disorders	PS 5.1	
7.	Bipolar disorders	Classify and describe the magnitude and etiology of Bipolar disorders	PS 7.1	
8.	Psychopharmacology	-Enumerate and describe the pharmacological basis and side effects of drugs used to treat in Psychiatric disorders -Enumerate and describe the pharmacological basis and side effects of drugs used in Schizophrenia -Enumerate and describe the pharmacological basis and side effects of drugs used in Bipolar disorders	PS 3.10 PS 5.5 PS 7.6	Pharmacology

9.	Depression	Classify and describe the magnitude and etiology of depression	PS 6.1	
10.	Anxiety disorders- GAD, Panic, Phobias	Enumerate and describe the magnitude and etiology of anxiety disorders	PS 8.1	
11.	OCD and stress related disorders- Stress reaction, PTSD	Enumerate and describe the magnitude and etiology of anxiety and stress related disorders	PS 8.1 PS 9.1	
12.	Treatment of Depression and anxiety and stress related disorders	Describe the treatment of depression including behavior and pharmacotherapy Describe the treatment of anxiety including behavior and pharmacotherapy Describe the treatment of stress disorder including behavior and pharmacotherapy	PS 6.4  PS 8.4  PS 9.4	Pharmacology
13.	Somatoform and Conversion disorders	Enumerate and describe the magnitude and etiology of somatoform and conversion disorders	PS 10.1	General Medicine
14.	Personality disorders	Enumerate and describe the magnitude and etiology, clinical features of personality disorders To describe treatment of personality disorders including behavioral, psychosocial and pharmacologic therapy	PS 11.1 PS 11.2  PS 11.4	
15.	Psychosomatic disorders	Enumerate and describe the magnitude and etiology, clinical features of psychosomatic disorders To describe treatment of psychosomatic disorders including behavioral, psychosocial and pharmacologic therapy	PS 12.1 PS 12.2  PS 12.4	General Medicine, Dermatology
16.	Alcohol use disorders	-To describe the magnitude and etiology of alcohol use disorders -To describe indications and interpret lab results in alcohol use disorders -Pharmacological basis and side effects of drugs used in alcohol use disorders -Treatment with psychological management and behavior therapy	PS 4.1  PS 4.3  PS 4.6  PS 4.4	General Medicine
17.	Other Substance use disorders	-To describe the magnitude and etiology of other substance use disorders -To describe indications and interpret lab results in other substance use disorders	PS 4.1  PS 4.3	General Medicine



		-Pharmacological basis and side effects of drugs used in other substance use disorders -Treatment with psychological management and behavior therapy	PS 4.6 PS 4.4	
18.	Psychosexual and gender identity disorders	To describe the magnitude and etiology , clinical features of psychosexual disorders and GID -To describe indications and interpret lab results in psychosexual disorders and GID -Pharmacological basis and side effects of drugs used in psychosexual disorders and GID -Treatment with psychological management and behavior therapy	PS 13.1 PS 13.2 PS 13.3 PS 13.6 PS 13.4	
19.	Psychiatric disorders in elderly	-Enumerate and describe common Psychiatric disorders in elderly – depression, dementia, psychosis - Etiology and magnitude -Therapy including psychosocial and behavioral therapy	PS 16.1 PS 16.2 PS 16.3	General Medicine
20.	Psychiatric emergencies	-Enumerate and describe the recognition, presentation of psychiatric emergencies- suicide, DSH, violence - Initial stabilization and management of emergencies - Specialist referral	PS 17.1 PS 17.2 PS 17.3	
21.	Mental retardation	-Describe the etiology and magnitude of mental retardation -Interventions in mental retardation	PS 15.1 PS 15.4	Pediatrics
22.	Childhood & adolescence Psychiatric disorders	-Enumerate describe the etiology of child psychiatric disorders -Types and clinical features -Behavioral and psychological management -Pharmacotherapy	PS 14.1 PS 14.2 PS 14.3 PS 14.6	Pediatrics
23.	Community Psychiatry	-Relevance, role of Community Psychiatry Objective strategies of national mental health programme -Salient features of Prevalent mental health laws in India	PS 19.1 PS 19.2 PS 19.4	Community Medicine
24.	Theory assessment			

**Bharati Vidyapeeth Deemed To Be University Medical College Pune**  
**III MBBS: Part I**  
**VI and VII Semester**  
**DEPARTMENT OF PSYCHIATRY**  
**Small group teaching Schedule: \_ Duration: One hr/SGT**

<b>Sr. No.</b>	<b>Topic</b>	<b>Content</b>	<b>Competency No.</b>	<b>SGT Method*</b>
1.	Stress	Define stress, describe components and causes	PS 2.1	Tutorial
2.	Stress management	Describe the role of time management, study skills, lifestyles in stress avoidance	PS 2.2	Group discussion
3.	Suicide assessment	Evaluation of suicide risk	PS 17.1	Tutorial
4.	Intervention in suicidality	Management of suicidality	PS 17.2	Group discussion
5.	Principles of psychotherapy	Enumerate and describe the principles of psychosocial interventions in Psychiatric illnesses	PS 18.3	Tutorial
6.	Disorder specific psychotherapy	Describe psychological treatment of depression, anxiety and stress related disorders	PS 6.4 PS 8.4 PS 9.4	DOAP
7.	Investigations	Assessment of cognition	PS 3.5	Tutorial
8.	Investigations	Assessment of IQ Introduction to psychodiagnostic tests	PS 15.2 PS 18.3	Tutorial
9.	Physical treatments	Enumerate indications for modified electroconvulsive therapy	PS 18.2	DOAP
10.	Ethical and legal issues	Describe and discuss basic ethical and legal issues	PS 19.3	Tutorial Group discussion

\*SGT Method-Group discussion/ Tutorial/seminar/DOAP/Practical/ skills lab

Batches for small group: 30 students per batch:

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**Bharati Vidyapeeth Deemed To Be University Medical College Pune**

**III MBBS: Part I**

**VI and VII Semester**

**DEPARTMENT OF PSYCHITRY**

**Clinical Posting Schedule:**

(Total weeks 2; 12 days x 3hours per day = 36hours)

<b>Day of posting</b>	<b>Topic/s</b>	<b>Competency</b>	<b>Hours</b>	<b>Teaching learning method: bedside clinic/ Skills lab/ Clinical clerkship</b>
1.	Revision on Clinical assessment- History taking and mental status examination	PS 3.3- Elicit, present and document history in patients with mental disorder PS 3.5- Enumerate, demonstrate mental status examination	3	Clinical clerkship
2.	Case discussion- Organic Psychiatric disorder	PS 3.7- Elicit clinical features of a patient with organic Psychiatric disorder PS 3.9- Describe the steps and demonstrate in a simulated environment family education in patients with organic Psychiatric disorders	3	Clinic
3.	Clinical case discussion- Schizophrenia	PS 5.2- Enumerate, elicit, describe and document symptoms of Schizophrenia PS 5.4- Demonstrate family education in patients of Schizophrenia	3	Clinic
4.	Clinical case discussion- Bipolar disorder	PS 7.2- Enumerate, elicit, describe and document clinical features of patient	3	Clinic

		of bipolar disorders PS 7.5- Demonstrate family education in a patient of bipolar disorder in a simulated environment		
5.	Clinical case discussion- Depression	PS 6.1- Enumerate, elicit, describe and document clinical features of patient of depression PS 6.5- Demonstrate family education in a patient of depression in a simulated environment	3	Clinic
6.	Clinical case discussion- Substance use disorders	PS 4.2- Elicit, describe and document clinical features of alcohol and substance use disorders  PS 4.5- Demonstrate family education in a patient with alcohol and substance use disorders	3	Clinic
7.	Clinical case discussion on anxiety disorders	PS 8.2 - Enumerate, elicit, describe and document clinical features of patient of anxiety disorders  PS 8.5- Demonstrate family education in a patient of anxiety disorder in a simulated environment	3	Clinic

8.	Clinical case discussion on OCD/ stress related disorder	<p>PS 9.2 - Enumerate, elicit, describe and document clinical features of patient of anxiety disorders</p> <p>PS 9.5- Demonstrate family education in a patient of anxiety disorder in a simulated environment</p>	3	Clinic
9.	Clinical case discussion- Child and adolescent Psychiatric disorder	<p>PS 14.1 Enumerate, elicit, describe and document clinical features of child/adolescent with psychiatric disorder</p> <p>PS 14.5- Demonstrate family education in a child/adolescent with psychiatric disorder in a simulated environment</p>	3	Clinic
10.	End of posting assessment		3	

**Bharati Vidyapeeth Deemed To Be University Medical College Pune**  
**III MBBS: Part I**  
**VI and VII Semester**

**DEPARTMENT OF RESPIRATORY MEDICINE**  
**Lectures Schedule: Duration: One hr/Lecture**

<b>Lecture no.</b>	<b>Topic</b>	<b>Content</b>	<b>Competency</b>	<b>Integration</b>
1	TB	Describe and discuss the epidemiology of tuberculosis and its impact on the work, life and economy of India	CT 1.1	Community medicine
2	TB	Describe and discuss the microbiology of tubercle bacillus, mode of transmission, pathogenesis, clinical evolution and natural history of pulmonary and extra pulmonary forms (including lymph node, bone and CNS)	CT 1.2	Microbiology
3	TB	Discuss and describe the impact of co-infection with HIV and other co-morbid conditions. Like diabetes on the natural history of tuberculosis Describe the epidemiology, the predisposing factors and microbial and therapeutic factors that determine resistance to drugs	CT 1.3 CT 1.4	Community medicine Microbiology Pharmacology
4	TB	Describe and discuss the pharmacology of various anti-tuberculous agents, their indications, contraindications, interactions and adverse reactions	CT 1.14	Pharmacology
5	TB	Define criteria for the cure of Tuberculosis; describe and recognise the features of drug resistant tuberculosis, prevention and therapeutic regimens Prescribe an appropriate antituberculosis regimen based on the location of disease, smear positivity and negativity and comorbidities based on current national guidelines including directly observed tuberculosis therapy (DOTS)	CT 1.15 CT1.17	Community medicine Pharmacology
6	Obstructive airway disease	Define and classify obstructive airway disease Describe and discuss the epidemiology, risk factors and evolution of obstructive airway disease. Describe and discuss the genetics of alpha 1 antitrypsin deficiency in emphysema	CT 2.1 CT 2.2 CT 2.5	Pathology Physiology
7	Obstructive airway disease	Enumerate and describe the causes of acute episodes in patients with	CT 2.3 CT 2.4	Pathology Physiology

		<p>obstructive airway disease Describe and discuss the physiology and pathophysiology of hypoxia and hypercapnea</p> <p>Describe the role of the environment in the cause and exacerbation of obstructive airway disease</p> <p>Describe and discuss allergic and non-allergic precipitants of obstructive airway disease</p>	<p>CT 2.6 CT 2.7</p>	
8	Obstructive airway disease	<p>Discuss and describe therapies for OAD including bronchodilators, leukotriene inhibitors, mast cell stabilisers, theophylline, inhaled and systemic steroids, oxygen and immunotherapy</p> <p>Describe and discuss the indications for vaccinations in OAD</p> <p>Describe and discuss the principles and use of oxygen therapy in the hospital and at home</p>	<p>CT 2.16 CT 2.17 CT 2.20</p>	Pharmacology
9	Obstructive airway disease	<p>Discuss and describe the impact of OAD on the society and Workplace</p> <p>Discuss and describe preventive measures to reduce OAD in workplaces</p>	<p>CT2.25 CT 2.26</p>	Community medicine
10	Term end examination			10 hours

**Bharati Vidyapeeth Deemed To Be University Medical College Pune**

**III MBBS: Part I**

**VI and VII Semester**

**DEPARTMENT OF RESPIRATORY MEDICINE**

**Small group teaching Schedule: Duration: One hr/SGT \_**

<b>Sr. No.</b>	<b>Topic</b>	<b>Content</b>	<b>Competency No.</b>	<b>SGT Method*</b>
1	TB	Describe and discuss the epidemiology of tuberculosis and its impact on the work, life and economy of India Discuss and describe the impact of co-infection with HIV and other co-morbid conditions. Like diabetes on the natural history of tuberculosis Describe the epidemiology, the predisposing factors and microbial and therapeutic factors that determine resistance to drugs	CT 1.1 CT 1.3 CT 1.4	Seminar
2	TB	Describe and discuss the origin, indications, technique of administration, efficacy and complications of the BCG vaccine	CT 1.13	Tutorial
3	TB	Enumerate the indications for tests including: serology, special cultures and polymerase chain reaction and sensitivity testing Perform and interpret a PPD (mantoux) and describe and discuss the indications and pitfalls of the test	CT 1.12 CT 1.7	DOAP Group discussion
4	TB	Define criteria for the cure of Tuberculosis; describe and recognise the features of drug resistant tuberculosis, prevention and therapeutic regimens Prescribe an appropriate antituberculosis regimen based on the location of disease, smear positivity and negativity and comorbidities based on current national guidelines including directly observed tuberculosis therapy (DOTS)	CT 1.15 CT 1.17	Group discussion
5	TB	Educate health care workers on National Program of Tuberculosis and administering and monitoring the DOTS program Communicate with patients and family in an empathetic manner about the diagnosis, therapy	CT 1.18 CT 1.19	DOAP



6	Obstructive airway disease	Describe, discuss and interpret pulmonary function tests Perform and interpret peak expiratory flow rate	CT 2.11 CT 2.12	Group discussion DOAP
7	Obstructive airway disease	Describe the appropriate diagnostic work up based on the presumed aetiology Enumerate the indications for and interpret the results of : pulse oximetry, ABG, Chest Radiograph	CT 2.13 CT 2.14	Group discussion DOAP
8	Obstructive airway disease	Recognise the impact of OAD on patient's quality of life, well being, work and family Discuss and describe the impact of OAD on the society and workplace	CT 2.24 CT 2.25	Seminar

\*SGT Method-Group discussion/ Tutorial/seminar/DOAP/Practical/ skills lab

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**Bharati Vidyapeeth Deemed To Be University Medical College Pune**

**III MBBS: Part I**

**VI and VII Semester**

**DEPARTMENT OF RESPIRATORY MEDICINE**

**Clinical Posting Schedule:**

(Total weeks-2, 12 days x 3hours per day = 36hours)

<b>Day of posting</b>	<b>Topic/s</b>	<b>Competency</b>	<b>Hours</b>	<b>Teaching learning method: bedside clinic/ Skills lab/ Clinical clerkship</b>
1	History taking	CT 1.5, CT 1.8	6	Bedside clinic Clinical clerkship
2	Respiratory system examination	CT 1.6	3	Clinical skill
3	Asthma/COPD case presentation	CT 2.8, CT 2.9, CT 2.10, CT 2.21, CT 2.23, CT 2.24	3	Bedside clinic Clinical clerkship
4	ABG/ Pulse oximetry	CT 2.14	6	Bedside clinic Clinical clerkship
5	Spirometry PEFR	CT 2.11, CT 2.12	3	Clinical skill/clinical clerkship
6	Pulmonary TB case presentation	CT 1.5, CT 1.6, CT 1.9	3	Bedside clinic Clinical clerkship
7	Daily DOTS—DS/DR TB treatment	CT1.14, CT 1.15, CT 1.16, CT 1.17, CT 1.18	3	Clinical clerkship
8	Drugs- COPD/Asthma Devices- MDI/DPI/Spacer/nebulization	CT 2.16, CT 2.18, CT 2.19, CT 2.22, CT	3	Clinical skill/clinical clerkship
9	Chest CXR interpretation	CT 2.14	3	Clinical skill
	Term end exam---SAQ/MCQ		3	

**Instructions:**

Batch will be divided in groups of three and each group will be allotted three beds. Students are supposed to interact with patients on the allotted beds daily and discuss the clinical findings with teacher.

Students will apply their knowledge( whatever they have been taught during lecture) during clinical posting.

Students will enter the case record in his/her journal during clinical posting.

Note:-

For bedside teaching time allotted for

1. History taking-30 min
2. Clinical examination-30 min
3. Discussion – 60 min
4. Interaction with student group regarding beds allotted and discussion - 60 min

**Bharati Vidyapeeth Deemed To Be University Medical College Pune**  
**III MBBS: Part I**  
**VI and VII Semester**

**DEPARTMENT OTORHINOLARYNGOLOGY**  
**Lectures Schedule: Duration: One hr/Lecture**

<b>Lecture no.</b>	<b>Topic</b>	<b>Content</b>	<b>Competency</b>	<b>Integration</b>
1.	Management of diseases of Ear , nose and throat	External ear pathology	EN 4.1 , EN 4.2	-
2.	Management of diseases of Ear , nose and throat	Serous otitis media	EN 4.5	-
3.	Management of diseases of Ear , nose and throat	Acute otitis media with complication	EN 4.3	PE 28.4
4.	Management of diseases of Ear , nose and throat	Chronic otitis media mucosal and squamosal	EN 4.6 EN 4.7 , EN 4.8	
5.	Management of diseases of Ear , nose and throat	Squamosal chronic otitis media Complication of otitis media intracranial and extra cranial	EN 4.8	
6.	Management of diseases of Ear , nose and throat	Otosclerosis	EN 4.13	
7.	Management of diseases of Ear , nose and throat	Inner ear (meiners disease, vestibular schwannoma, BPPV)	EN 4.20 , EN 4.19, EN 4.21	
8.	Management of diseases of Ear , nose and throat	Deaf and mute child evaluation and cochlear implant	EN 4.12	PY10.15 , PY10.16
9.	Management of diseases of Ear , nose and throat	Facial nerve	EN 4.18	
10.	Management of diseases of Ear , nose and throat	Deviated nasal septum	EN 4.23, 4.24	
11.	Management of diseases of Ear , nose and throat	Allergic rhinitis (specific and non specific rhinitis )	EN 4.27 , EN 4.28	
12.	Management of diseases of Ear , nose and throat	Acute rhinosinusitis with complication	EN 4.29 , EN 4.33	
13.	Management of diseases of Ear , nose and throat	Chronic rhinosinusitis with and without polys / antrochoanal polyp	EN 4.25	
14.	Management of diseases of Ear , nose and throat	Benign lesion of nose and paranasal sinuses (JNA)	EN 4.32	
15.	Management of diseases of Ear , nose and throat	Malignant legion of nose and paranasal sinuses / Nasopharyngeal tumors	EN 4.34 . EN 4.35	
16.	Management of	Facial trauma and facial plastic	EN 4.31	

	diseases of Ear , nose and throat	surgery in ENT		
17.	Management of diseases of Ear , nose and throat	Acute and chronic tonsillitis with adenoid	EN 4.39, EN 4.26	PE 28.2, PE 28.3
18.	Management of diseases of Ear , nose and throat	Complications of various abscesses – neck space abscesses (Ludwigs)	EN 4.37, EN 4.41	
19.	Management of diseases of Ear , nose and throat	Acute and chronic laryngitis	EN 4.43	PE 28.6
20.	Management of diseases of Ear , nose and throat	Benign lesions of larynx (hoarseness and laryngeal paralysis )	EN 4.44, EN 4.42, EN 4.45	
21.	Management of diseases of Ear , nose and throat	Malignancy of larynx laryngopharynx	EN 4.46	
22.	Management of diseases of Ear , nose and throat	Malignancy of laryngopharynx	EN 4.46	
23.	Management of diseases of Ear , nose and throat	Dysphagia and Cao esophagus	EN 4.38	
24.	Management of diseases of Ear , nose and throat	Foreign body in airway and food passage	EN 4.49	PE 28.8
25.	Management of diseases of Ear , nose and throat	Stridor (Peadiatric stridor and epiglottitis)	EN 4.47	PE 28.5, PE 28.6, PE 28.7, PE 28.9

**Bharati Vidyapeeth Deemed To Be University Medical College Pune**

**III MBBS: Part I**

**VI and VII Semester**

**DEPARTMENT of Otorhinolaryngology**

**Small group teaching Schedule: Duration: 2 hrs/SGT**

<b>Sr. No.</b>	<b>Topic</b>	<b>Content</b>	<b>Competency No.</b>	<b>SGT Method*</b>
1.	Anatomy and physiology of ear , nose , throat and head and neck	Anatomy of ear	EN1.1	Group discussion
2.	Anatomy and physiology of ear , nose , throat and head and neck	Physiology of hearing and balance	EN1.1	Tutorial
3.	Anatomy and physiology of ear , nose , throat and head and neck	Anatomy of nose	EN1.1	Seminar
4.	Clinical skills	Premalignant condition in ENT	EN 2.11	Tutorial
5.	Clinical skills/ Management of diseases of Ear , nose and throat	National program for prevention of cancer , deafness, noise and environmental pollution including noise induced hearing loss	EN 2.15, EN 4.15	Seminar
6.	Clinical skills/ Management of diseases of Ear , nose and throat	ENT emergencies (kerosene ingestion, sudden SNHL , Epistaxis , Stridor , Air way emergency tracheostomy	EN 2.13, P 14.2 ,EN 4.14, EN 4.47, EN4.30, EN 4.48, EN 4.50, EN3.6	Tutorial
7.	Anatomy and physiology of ear , nose , throat and head and neck	Anatomy & physiology of pharynx , anatomy and clinical significance of pyriform fossa	EN 1.1, AN 36.3	Group Discussion
8.	Anatomy and physiology of ear , nose , throat and head and neck	Anatomy and physiology of larynx	EN 1.1	Seminar
9.	Management of diseases of Ear , nose and throat	Otalgia	EN 4.1	Tutorial
10.	Management of diseases of Ear , nose and throat	Indication and steps of myringoplasty and myringotomy	EN 4.10 AN 40.4 EN 3.5	Demonstration
11.	Management of diseases of Ear , nose and throat	Indication and steps of mastoidectomy	EN 4.11 EN3.5	Demonstration
12.	Management of diseases of Ear , nose and throat	Facial nerve palsy	EN 4.18	Tutorial
13.	Management of diseases of Ear , nose and throat	Tinnitus Clinical features investigation and management	EN 4.21	Tutorial

14.	Management of diseases of Ear , nose and throat	Vasomotor rhinitis	EN4.28	Tutorial
15.	Management of diseases of Ear , nose and throat	Tumors of nasopharynx	EN 4.35	Tutorial
16.	Management of diseases of Ear , nose and throat	Salivary gland diseases	EN4.36	Tutorial
17.	Management of diseases of Ear , nose and throat	Presbycusis	EN 4.12	Group discussion
18.	Management of diseases of Ear , nose and throat	HIV manifestation of ENT	EN 4.53	Seminar

\*SGT Method-Group discussion/ Tutorial/seminar/DOAP/Practical/ skills lab

Batches for small group: 30 students per batch:

Batch	Roll No.s
A	1-30
B	31-60
C	61-90
D	91-120
E	121-150

**Bharati Vidyapeeth Deemed To Be University Medical College Pune**

**III MBBS: Part I**

**VI and VII Semester**

**DEPARTMENT OF OTORHINOLARYNGOLOGY**

**Clinical Posting Schedule:**

(Total weeks-4, 24 days x 3hours per day = 72hours)

<b>Days Alloted for the posting</b>	<b>Topics to be covered</b>	<b>Competency number for each topic</b>	<b>Hours required to cover one topic</b>	<b>Teaching, learning method: Bedside clinic/skills lab/Clinical clerkship</b>
1	Throat case – signs and symptoms, investigation and management	EN 2.1, EN 2.2, EN 2.6 , EN2.7	3 hours	OPD station clinic (Beside clinic)
2	Nose case -signs and symptoms ,investigation and management	EN 2.1 , EN 2.2 , EN 2.5, EN.3.2	3 hours	OPD station clinic (Beside clinic)
3	Ear case - signs and symptoms ,investigation and management	EN2.1, EN2.2, EN2.3, EN2.4	3 hours	OPD station clinic (Beside clinic)
4	Head and Neck case - signs and symptoms ,investigation and management	EN2.7, EN 2.11, EN 2.12	3 hours	OPD station clinic (Beside clinic)
5	Pure tone audiometry , Specimens	EN2.8, EN 4.16 ,EN 4.17	3 hours	OPD station clinic (Beside clinic)
6	Nose case -signs and symptoms ,investigation and management	EN 2.1 , EN 2.2 , EN 2.5, EN.3.2	3 hours	OPD station clinic (Beside clinic)
7	Otoscopy	EN 2.3	3 hours	Skill Lab
8	Xray , OT Instruments	EN2.10, EN2.9	3 hours	OPD station clinic (Beside clinic)
9	Throat case – signs and symptoms, investigation and management	EN 2.1, EN 2.2, EN 2.6 , EN2.7	3 hours	OPD station clinic (Beside clinic)
10	Ear case - signs and symptoms ,investigation and management	EN2.1, EN2.2, EN2.3, EN2.4	3 hours	OPD station clinic (Beside clinic)
11	Anterior nasal packing	EN2.13	3 hours	Skill lab
12	Throat case – signs and symptoms, investigation and management with surgical videos	EN 2.1, EN 2.2, EN 2.6 , EN2.7 EN3.4,EN3.5, EN4.39, EN4.42 , EN 4.48 EN 4.49 EN 4.49 EN 4.50 EN 4.50	3 hours	OPD station clinic (Beside clinic)
13	Nose case -signs and symptoms ,investigation and management with surgical videos	EN 2.1 , EN 2.2 , EN 2.5, EN.3.2EN3.2,EN3.4, EN3.5, EN	3 hours	OPD station clinic (Beside clinic)

		4.25 TO EN 4.30,EN 4.33		
14	Ear case - signs and symptoms ,investigation and management with surgical videos	EN2.1, EN2.2, EN2.3, EN2.4 EN3.1,EN3. 4,EN3.5,EN 4.1 To 4.8, EN 4.10 TO EN 4.12	3 hours	OPD station clinic (Beside clinic)
15	Head and Neck case - signs and symptoms ,investigation and management with surgical videos	EN2.7, EN 2.11, EN 2.12EN3.3, EN3.5, EN 4.38	3 hours	OPD station clinic (Beside clinic)
16	Pure tone audiometry , Specimens	EN2.8, EN 4.16 ,EN 4.17	3 hours	OPD station clinic (Beside clinic)
17	Nose case -signs and symptoms ,investigation and management with surgical videos	EN 2.1 , EN 2.2 , EN 2.5, EN.3.2EN3. 2,EN3.4, EN3.5, EN 4.25 TO EN 4.30,EN 4.33	3 hours	OPD station clinic (Beside clinic)
18	Head and Neck case - signs and symptoms ,investigation and management with surgical videos	EN2.7, EN 2.11, EN 2.12EN3.3, EN3.5, EN 4.38	3 hours	OPD station clinic (Beside clinic)
19	Xray , OT Instruments	EN2.10, EN2.9	3 hours	OPD station clinic (Beside clinic)
20	Throat case – signs and symptoms, investigation and management with surgical videos	EN 2.1, EN 2.2, EN 2.6 , EN2.7 EN3.4,EN3. 5, EN4.39, EN4.42 , EN 4.48 EN 4.49 EN 4.49 EN 4.50 EN 4.50	3 hours	OPD station clinic (Beside clinic)
21	Ear case - signs and symptoms ,investigation and management with surgical videos	EN2.1, EN2.2, EN2.3, EN2.4 EN3.1,EN3. 4,EN3.5,EN 4.1 To 4.8, EN 4.10 TO EN 4.12	3 hours	OPD station clinic (Beside clinic)
22	Revision		3 hours	OPD station clinic (Beside clinic)
23 &23	End of Posting Examination		3 hours	



**Instructions:**

To discuss relevant investigation of that particular case during clinic.

**Cases**

- Ear:** COM (Mucosal, squamosal, with/without complication), AOM, Otosclerosis, Peripheral vertigo, Ototoxicity, DDSL
- Nose :** DNS, Nasal polyposis, Epistaxis
- Throat:** Acute tonsillitis, Membranous tonsillitis, Chronic tonsillitis, Deep neck space abscesses Vocal nodule / palsy/ polyp
- Head and Neck :** Ca maxilla, Ca larynx, Thyroid, Neck masses
- Surgical videos**
- Ear :** Tympanoplasty, cortical mastoidectomy, canal wall down mastoidectomy, myringotomy, stapedotomy
- Nose:** Septoplasty, functional endoscopic sinus surgery, DCR
- Throat :** tonsillectomy and TAR
- Head and neck :** ML scopy, DL scopy, thyroid, parotid, laryngectomy

**Bharati Vidyapeeth Deemed To Be University Medical College Pune**

**III MBBS: Part I**

**VI and VII Semester**

**DEPARTMENT OF RADIODIAGNOSIS**

SL NO	TOPIC	COMPETENCY	CONTENT	INTEGRATION
1	Introduction Radiation And its Protection	RD1,1 RD1.2	<ul style="list-style-type: none"> <li>• Dept layout</li> <li>• Equipment</li> <li>• Electromagnetic spectrum</li> <li>• Xrays production properties interaction with matter</li> <li>• Units</li> <li>• Radiation protection</li> </ul>	
2	Respiratory system	RD 1.5,1.8 , 1.10,1,11 AN 25.7 , IM 3.7 3.11,6.12, 8.9,13.12.18.9 PE 34.8	<ul style="list-style-type: none"> <li>• Radiological anatomy in Xray chest CT and MRI</li> <li>• Methods to investigate</li> <li>• Basic radiological appearances in diseases of Diaphragm- eventration, diaphragmatic hernia, phrenic nerve palsy Pleura- pleural effusion, loculated effusion, pneumothorax hydropneumot horax Pleural tumors Lung- collapse consolidation ,infective pneumonias , Covid 19 and tuberculosis</li> </ul>	
3	Respiratory system	RD 1.5, 1.6,1.8 , 1.7 AN 25.7 , IM 3.7,13.12.18.9 3.11,6.12,18.9 PE 34.8, 23.13	Radiological appearances of <ul style="list-style-type: none"> <li>• Lung tumors</li> <li>• Mediastinal anatomy masses in anterior, middle and posterior mediastinum</li> <li>• Pediatric respiratory diseases</li> </ul>	
4	Cardiovascular system	RD 1.5 ,1.7, AN 25.7, IM 1.19, 3.7, 6.12, PE 23.13, ,34.8 RD 1.10 IM 18.9	<ul style="list-style-type: none"> <li>• Radiological anatomy on Xray ,CT and MRI</li> <li>• Methods to investigate CVS</li> </ul>	

			<ul style="list-style-type: none"> <li>• Radiological appearances of common congenital heart disease - cyanotic and acyanotic</li> <li>• Valvular heart disease -mitral aortic tricuspid and pulmonary</li> <li>• Acquired heart disease - ischemic and hypertensive</li> <li>• Cardiomyopathy</li> <li>• Pericardial effusion</li> </ul>	
5	Gastro intestinal and Hepatobiliary system	RD 1.5 ,1.6 ,1.7 PE 21.12 AN 54.1 AN 54.2 AN 54.3 AN 25.8 RD 1.8 RD 1.10 IM 18.9	<ul style="list-style-type: none"> <li>• Radiological anatomy on X-ray &amp; CT</li> <li>• Methods of Imaging (Plain X-ray, USG, CT)</li> <li>• Plain Radiograph appearances in acute abdomen.</li> <li>• Imaging in common malignancies of GIT.</li> <li>• Paediatric abdominal masses</li> <li>• Disorders of hepato biliary system &amp; pancreas (Congenital &amp; acquired)</li> </ul>	
6	Genitourinary System	RD 1.5, 1.6, 1.7, 1.8, 1.10, 1.11, IM 10.19, PE 21.12, PE 21.13	<ul style="list-style-type: none"> <li>• Radiological anatomy X-ray KUB/IVU/USG/CT/MRI</li> <li>• Methods to inv GUS</li> <li>• Basic Radiological appearance Common medical conditions, Common surgical conditions, Paediatric diseases, Common Malignancies</li> </ul>	
7	Musculo skeletal system (MSK)	Competency RD 1.5, 1.6, 1.7, 1.8, 1.9, 1.10 AN 13.4, 20.6, 43.7 IM 7.18 PE 28.17	<ul style="list-style-type: none"> <li>• Indications &amp; methods of Imaging of MSK.</li> <li>• Imaging of fractures</li> <li>• Soft tissue injuries</li> <li>• Skeletal dysplasias.</li> <li>• Metabolic &amp; hormonal disorders of bones.</li> <li>• Infections of bones &amp; joints.</li> <li>• Bone tumours.</li> </ul>	

8	CNS	RD 1.5, 1.6, 1.7 AN 43.7 IM 6.12 IM 18.9 IM 19.7	<ul style="list-style-type: none"> <li>• Radiological anatomy on X-ray /CT/MRI</li> <li>• Evaluation of head injury</li> <li>• Imaging in movement disorders.</li> <li>• Congenital &amp; inflammatory conditions of CNS.</li> <li>• CNS tumours in paediatric &amp; adults.</li> </ul>	
9	Interventional radiology	RD 1.9 AN 43.8 IM 18.9	<ul style="list-style-type: none"> <li>• Modalities</li> <li>• Biopsy procedures</li> <li>• Drainage procedures</li> <li>• Vascular procedures</li> </ul> <p>Arterial route of carotid &amp; vertebral angiography.</p> <p>venous</p> <ul style="list-style-type: none"> <li>• Non vascular procedures</li> <li>• Hepatobiliary</li> </ul> <p>Git Gus bones joints</p>	
10	Emergency Radiology		<ul style="list-style-type: none"> <li>• Polytrauma</li> <li>• Stroke</li> <li>• Pulmonary embolism</li> <li>• Acute Abdomen</li> <li>• Acute Limb Ischemia</li> </ul>	
<b>End of Theory Examination</b>				

**Bharati Vidyapeeth Deemed To Be University Medical College Pune**  
**III MBBS: Part I**  
**VI and VII Semester**  
**DEPARTMENT OF RADIODIAGNOSIS**  
**Small group teaching Schedule: Duration: 2 hrs/SGT**

Sl no	Topic	Competency	Content	Integration
1	Abd Ultrasound small parts and Colour doppler	RD1,4,1,5,1.6,1.8	<ul style="list-style-type: none"> <li>• Basic physics of generation of ultrasound and colour doppler</li> <li>• Probes</li> <li>• Common lesions of abdomen covering GIT, Hepatobiliary ,urogenital, vascular systems and Small parts</li> </ul>	
2	Antenatal ultrasound and PNDT	RD 1.4,1.12, 1,13	<ul style="list-style-type: none"> <li>• Antenatal ultrasound of the first second and third trimester and disease coditions</li> <li>• PNDT ACT</li> <li>• Forms that are to be filled</li> <li>• Returns</li> </ul>	
3	CT BRAIN + MR Brain	RD 1.5, 1.6 RD 1.10 IM 6.12	<ul style="list-style-type: none"> <li>• CT MRI Eqpt &amp; Physics</li> <li>• MR sequences &amp; application</li> <li>• CT Brain anatomy.</li> <li>• MRI Brain anatomy.</li> <li>• Role of CT in evaluation of Headache, Head injury, Stroke Infection &amp; tumours.</li> <li>• Role of MRI in Stroke, Head injury CNS infection &amp; tumours</li> </ul>	
4	CT BODY	RD 1.5, 1.6, 1.7 RD 1.10 AN 54.3 IM 6.12	<ul style="list-style-type: none"> <li>• CT Chest &amp; Abdomen anatomy</li> <li>• CT Chest in paediatric congenital / acquired condition.</li> <li>• CT in interstitial lung disease.</li> <li>• CT in abdomen &amp; chest trauma</li> <li>• CT Abdomen in inflammatory / neoplastic conditions of abdomen.</li> </ul>	
5	MRI Body & Spine	RD 1.5, 1.6, 1.7 AN 54.3 IM 5.13, IM 18.9 IM 19.7 PE 30.23	<ul style="list-style-type: none"> <li>• Basic MRI sequences for body &amp; spine imaging.</li> <li>• MRI safety &amp; interpretation</li> <li>• MRI in musculoskeletal disorders</li> <li>• Role of MRI in abdominal disease (including hepatobiliary system).</li> <li>• MRI evaluation of spine <ul style="list-style-type: none"> <li>-Degenerative disorders</li> <li>-Infections</li> <li>-Spinal Trauma</li> <li>-Spinal tumours</li> </ul> </li> </ul>	
6	EYE IMAGING	AN 43.7 RD 1.2 IM 18.9	<ul style="list-style-type: none"> <li>• Basic Radiologic anatomy Orbit.</li> <li>• Radiologic modality relevant to eye disease X-ray/USG/CT/MRI</li> <li>• Imaging in in common congenital conditions.</li> </ul>	

			<ul style="list-style-type: none"> <li>• Orbital Trauma</li> <li>• Acquired eye diseases / benign masses</li> <li>• Orbital tumours</li> </ul>	
7	ENT & DENTAL IMAGING	RD1.3 RD1.8 AN 43.7 IM 6.12 IM 18.9 PE 28.17	<ul style="list-style-type: none"> <li>• Radiologic Anatomy PNS / Mandible</li> <li>• Radiologic modality for ENT diseases X-ray/OPT/CT/MR.</li> <li>• Imaging in sinonasal infections</li> <li>• Sinonasal masses benign / malignant.</li> <li>• Facial Trauma</li> </ul>	
8	Mammography and Procedures	SU25.3 RD 1.4 ,1.5,1,6 AN59.2,25.8	<ul style="list-style-type: none"> <li>• Mammography</li> <li>• Sonomammography</li> <li>• Ba swallow</li> <li>• Ba meal</li> <li>• Ba enema</li> <li>• HSG</li> <li>• IVU</li> <li>• RGU</li> <li>• MCU</li> </ul>	

**Bharati Vidyapeeth Deemed To Be University Medical College Pune**

**III MBBS: Part I**

**VI and VII Semester**

**DEPARTMENT OF Anaesthesiology**

**Lectures Schedule**

<b>Lect. no.</b>	<b>Topic</b>	<b>Content</b>	<b>Competency</b>	<b>Integration</b>	
1	-Anaesthesiology as a specialty.	- Evolution of Anaesthesiology as a modern specialty - History - Sub specialties	AS1.1  AS1.2		
2	-Preoperative evaluation  -Preanaesthesia medication	- History taking ,clinical examination as a part of PAC, fitness /readiness for surgery	AS3.1, AS3.5  AS3.6	Horizontal General surgery	
3	-Pharmacology of drugs for general anaesthesia	- Sedatives, IV Induction agents - Inhalational agents	AS4.1 PH1.18	Vertical Pharmacology	
4	-Drugs and Adjuvants for regional anaesthesia	- Local Anaesthetic Agents - LAST - Adjuvants	AS5.4		
5	-Neuromuscular blocking agents	-Anatomy & physiology of NM Junction  -Depolarising & Non-depolarising muscle relaxants	AS4.1 PY 3.4 PH1.15	Vertical Physiology	
6	-Spinal anaesthesia	- Anatomy , Indications , Contraindications, Technique and Complications	AS5.1 AS5.2		
7	Epidural and Caudal anaesthesia	- Anatomy , Indications , Contraindications, Technique and Complications	AS5.5		
8	-Brachial plexus block and other peripheral nerve blocks	- Anatomy and techniques of Brachial plexus - Upper and Lower extremity nerve blocks	AS5.3	Vertical Anatomy	
		Term end examination			__8__ hours

**Bharati Vidyapeeth Deemed To Be University Medical College Pune**  
**III MBBS: Part I**  
**VI and VII Semester**

**DEPARTMENT of ANAESTHESIOLOGY**  
**Small group teaching Schedule: \_\_\_**

<b>Sr. No.</b>	<b>Topic</b>	<b>Content</b>	<b>Competency No.</b>	<b>SGT Method*</b>
<b>1</b>	General Anaesthesia	-Anatomy of airway & implications -Technique of GA -Monitoring	AS4.2 AS4.4 AS4.5	Group discussion
<b>2</b>	Post Anaesthesia recovery	-Principles of monitoring and resuscitation in recovery room. -common complications and principles of management	AS6.1 AS6.3	Group discussion
<b>3</b>	Day care anaesthesia:  Anaesthesia outside operating Room(OR)	-Ambulatory surgeries Selection, discharge criteria  -Outlets, Procedures, Challenges, Equipment	AS4.6  AS4.7	Seminar
<b>4</b>	Pain	-Anatomical correlates and physiology of pain -Pharmacology of drugs used in acute pain management, -Principles of pain management in palliative care and terminally ill	AS8.1 AS8.3 AS8.4 AS8.5	Group discussion
<b>5</b>	IV Fluids Blood	-Principles of fluid therapy in perioperative period -Blood products and their use in perioperative settings	AS9.3 AS9.4	Tutorial

\*SGT Method-Group discussion/ Tutorial/seminar/DOAP/Practical/ skills lab  
 1 session: 2hrs

- Internal assessment of 25 marks will be conducted after completion of lectures and SGT.  
 Batches for small group: 30 students per batch:

Batch	Roll No.s
A	1-30
B	31-60
C	61-90
D	91-120
E	121-150



**Bharati Vidyapeeth Deemed To Be University Medical College Pune**  
**III MBBS: Part I**  
**VI and VII Semester**

**DEPARTMENT OF Anesthesiology**

**Clinical Posting Schedule:**

(Total weeks; 2, 12 days x 3hours per day = 36 hours)

<b>Day of posting</b>	<b>Topic/s</b>	<b>Competency</b>	<b>Hours</b>	<b>Teaching learning method: bedside clinic/ Skills lab/ Clinical clerkship</b>
1	Preoperative Anaesthetic Evaluation: -Elicit, and document history -Clinical examination in a patient undergoing surgery. - Choose, interpret appropriate testing and readiness for surgery.	AS3.2 AS3.3  AS3.4 AS3.5	3	Bedside clinic Visit to PAC OPD
2	General Anaesthesia:- -Observe and describe principles and the practical aspects of induction and maintenance of anaesthesia	AS4.3	3	Visit to Operation Theatre
3	Steps/techniques in monitoring patients during anaesthesia	AS4.5	3	Bed side clinic
4	Regional Anaesthesia: -Observe and describe the steps/techniques involved in spinal, epidural and peripheral nerve blocks	AS5.1 AS5.3	3	Video sessions Introduce to equipments used for regional blocks
5	Post anaesthesia recovery: -Observe and enumerate the contents of crash cart and describe equipments used in recovery room	AS6.2	3	Bed side clinic Visit to Post anaesthesia care unit (PACU)
6	Intensive care management: -Visit to ICU, functions, basic setup -Admission/discharge criteria to ICU -Observe and describe management of unconscious patient	AS7.1, AS7.2  AS7.3	3	Visit to ICU  DOAP session
7	Cardiopulmonary Resuscitation: - Enumerate the indications, describe the steps and demonstrate in a simulated environment, Basic Life Support(BLS) in adults, children and neonates	AS2.1	3	Skills lab visit DOAP Manikin training

8	Enumerate the indications, describe the steps and demonstrate in a simulated environment, Advanced Cardiac Life Support(ACLS) in adults and children	AS2.2	3	Skills Lab Visit DOAP  Manikin training
9	-Establish intravenous and central venous access in a simulated environment  -Participate as a member in team for resuscitation of Polytrauma victim by doing all of the following: (a) IV access central-peripheral (b) Bladder catheterisation (c) Endotracheal Intubation (d) Splintage	AS9.1,AS9.2  OR13.2	3	Skills lab session Case discussion
10	Demonstrate airway maintenance and recognize and management of tension pneumothorax.	SU17.10	3	DOAP session Skills lab
11	Instruments		3	
12	Term End			

Instructions :Internal examination of 25 marks at the end of clinical posting.

**Bharati Vidyapeeth Deemed To Be University Medical College Pune****III MBBS: Part I****VI and VII Semester****DEPARTMENT OF  
RESPIRATORY MEDICINE****Lectures Schedule---10**

<b>Lecture no.</b>	<b>Topic</b>	<b>Content</b>	<b>Competency</b>	<b>Integration</b>
1	TB	Describe and discuss the epidemiology of tuberculosis and its impact on the work, life and economy of India	CT 1.1	Community medicine
2	TB	Describe and discuss the microbiology of tubercle bacillus, mode of transmission, pathogenesis, clinical evolution and natural history of pulmonary and extra pulmonary forms (including lymph node, bone and CNS)	CT 1.2	Microbiology
3	TB	Discuss and describe the impact of co-infection with HIV and other co-morbid conditions. Like diabetes on the natural history of tuberculosis Describe the epidemiology, the predisposing factors and microbial and therapeutic factors that determine resistance to drugs	CT 1.3 CT 1.4	Community medicine Microbiology Pharmacology
4	TB	Describe and discuss the pharmacology of various anti-tuberculous agents, their indications, contraindications, interactions and adverse reactions	CT 1.14	Pharmacology
5	TB	Define criteria for the cure of Tuberculosis; describe and recognise the features of drug resistant tuberculosis, prevention and therapeutic regimens Prescribe an appropriate antituberculosis regimen based on the location of disease, smear positivity and negativity and comorbidities based on current national guidelines including directly observed tuberculosis therapy (DOTS)	CT 1.15 CT1.17	Community medicine Pharmacology
6	Obstructive airway disease	Define and classify obstructive airway disease Describe and discuss the epidemiology, risk factors and evolution of obstructive airway disease. Describe and discuss the genetics of alpha 1 antitrypsin deficiency in emphysema	CT 2.1 CT 2.2 CT 2.5	Pathology Physiology
7	Obstructive airway disease	Enumerate and describe the causes of acute episodes in patients with obstructive airway disease Describe and discuss the physiology and pathophysiology of hypoxia and	CT 2.3 CT 2.4 CT 2.6	Pathology Physiology

		<p>hypercapnea</p> <p>Describe the role of the environment in the cause and exacerbation of obstructive airway disease</p> <p>Describe and discuss allergic and non-allergic precipitants of obstructive airway disease</p>	CT 2.7	
8	Obstructive airway disease	<p>Discuss and describe therapies for OAD including bronchodilators, leukotriene inhibitors, mast cell stabilisers, theophylline, inhaled and systemic steroids, oxygen and immunotherapy</p> <p>Describe and discuss the indications for vaccinations in OAD</p> <p>Describe and discuss the principles and use of oxygen therapy in the hospital and at home</p>	CT 2.16 CT 2.17 CT 2.20	Pharmacology
9	Obstructive airway disease	<p>Discuss and describe the impact of OAD on the society and Workplace</p> <p>Discuss and describe preventive measures to reduce OAD in workplaces</p>	CT2.25 CT 2.26	Community medicine
	Term end examination			

**Bharati Vidyapeeth Deemed To Be University Medical College  
Pune**

**DEPARTMENT OF EMERGENCY MEDICINE**

**Clinical Posting Schedule:**

(Total weeks 2 ; 12 days x 3hours per day = 36 hours)

Day of posting	Topic/s	Hours	Teaching learning method: bedside clinic/ Skills lab/ Clinical clerkship
1	Introduction to Emergency Medicine Department	3 Hrs.	bedside clinic/
2	Preliminary Assessment of the Patient.	3 Hrs.	bedside clinic/
3	Plan for Definitive Management	3 Hrs.	bedside clinic/
4	Basic of ECG analysis / Arrhythmias	3 Hrs.	bedside clinic/
5	Basics of ACS	3 Hrs.	bedside clinic/
6	CNS - Stroke	3 Hrs.	bedside clinic/
7	Trauma Assessment	3 Hrs.	bedside clinic/
8	Basic Emergency Equipments	3 Hrs.	bedside clinic/
9	Basic Emergency Drugs	3 Hrs.	bedside clinic/
10	Basic Life Support	3 Hrs.	bedside clinic/
11	Basic EMD Procedures	3 Hrs.	bedside clinic/
12	Course Completion Examination	3 Hrs.	

*N. K. Karmarkar*

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**III MBBS Part I (2020-21 admission) subjects' Month wise coverage of Topics and corresponding competency numbers for the year 2023**  
**Teaching block 9<sup>th</sup> January 2023-28<sup>th</sup> October 2023**

**Colour codes to differentiate different types of sessions: Black- lectures, Red - SGT-Practicals/ tut, Violet - Aligned / Integraed Topics, Green - SDL, Blue - AETCOM, Brown - Pandemic Module**

Month	TL type	CM Topics	CM Comp Nos.	FMT Topics	FMT Comp numbers	ENT Topics	ENT Comp Nos	opth Topics
Jan	Lecture	Epidemiology and Prevention of Airborne Infection: I (Chickenpox, Rubella, Measles, Mumps,Influenza), Airborne InfectionII Acute Respiratory Tract Infection, Airborne Infection III Tuberculosis and NTEP, Airborne Infection IV –SARS/COVID 19	CM 8.1,8.3	MLA of Injury, Thermal Death, Asphyxia	FM3.4, FM3.5, FM3.7, FM2.25, FM2.20	Management of diseases of Ear , nose and throat (External ear pathology; Serous otitis media ;Acute otitis media with complication ;Chronic otitis media mucosal and squamosal )	EN 4.1 , EN 4.2;EN 4.5;EN 4.3;EN 4.6 EN 4.7 , EN 4.8 ;PE 28.4	Anatomy and embryology of eye,Physiology of vision- vision, colour vision, binocular single vision,Refractive errors I- emmetropia,myopia,hype rmetropia,refractive errors II-astigmatism, presbyopia,aphakia
	SGT	Biostatistics exercises Biostat Exercises II-( sampling, standard errors of mean and proportions,Test of significance) Biostat Exercises III- Correlation, fallacies in Biostatics, Health information system, statistical software, role of computer in statistics and epidemiology and screening for disease Bio medical waste management;	CM 6.2-6.4, 7.3, 7.4, 8.7 9.7, 7.9, 7.6 14.1-14.3	Sickness certificate, Demo- Autopsy, MLA Injury, Thermal death	FM1.9, FM14.5, M3.4, FM3.5, FM3.7, FM2.24, FM2.25	Anatomy and physiology of ear , nose , throat and head and neck (Anatomy of ear ,Physiology of hearing and balance )	EN1.1	Anatomy and embryology of eye,Physiology of vision,Refractive errors I,refractive errors II
	SDL			-	-			
	AETCOM	AETCOM- Introductory small group session (5 groups) Focused small group session-with role play/ video where students have an opportunity to observe and discuss common mistakes when dealing with emotions. Skills lab session-where students can perform tasks on standardized patients with opportunity for self-critique, critique by patient and by facilitator	3.1	-	-			

<b>Feb</b>	<b>Lecture</b>	Epidemiology and Prevention of Intestinal Infections - I (Diarrheal diseases, Cholera), Intestinal Infections - II (Viral Hepatitis, Typhoid, Polio), Test, Epidemiology and Prevention of Arthropod borne diseases - I (Malaria, dengue, chikungunya and Filariasis) Zoonotic diseases - II (Rabies, Plague, Japanese encephalitis, leptospirosis)	CM 8.1	Mechanical Asphyxia, Sexual Offences	FM2.21 to FM2.23, FM3.13, FM3.14	Management of diseases of Ear, nose and throat ( Squamosal chronic otitis media complication of otitis media intracranial and extra cranial, Otosclerosis, Inner ear (meiniers disease, vestibular schwannoma, BPPV), Deaf and mute child evaluation and cochlear implant, Facial nerve)	<b>EN 4.8PY10.15, PY10.16, EN 4.13, EN 4.20, EN 4.19, EN 4.21, EN 4.12, EN 4.18</b>	Conjunctiva I-anatomy and functions, classification of conjunctivitis, Conjunctiva II- trachoma, allergic conjunctivitis and degenerations, Cornea I-anatomy, transparency and methods of examination, Cornea II- bacterial and fungal corneal ulcers
	<b>SGT</b>	Principles and measures to control disease epidemic; Investigation of food poisoning Planning cycle demonstrate and describe the steps in evaluation of health education programme, Debate on gender issues and empowerment	8.4, 20.2, 8.1, 7.7, 16.2, 10.9	Samples for DNA Finger printing, Radiographs, Expert witness, Dying declaration, Photographs, Specimens	FM14.20 to FM14.22, FM3.2FM3.6FM3.10 FM2.9FM3.3FM14.17	Anatomy and physiology of ear, nose, throat and head and neck (Anatomy of nose) Clinical Skills (Premalignant condition in ENT)	<b>EN1.1; EN 2.11</b>	Conjunctiva I, Conjunctiva II, Cornea I, Cornea II
	<b>SDL</b>	<b>Public health events in last five years</b>	<b>20.1</b>	-	-	<b>Ophthalmic manifestations of ENT Pathologies</b>	<b>EN4.34</b>	SDL-1-Refractive surgeries
	<b>AETCOM</b>	Skills lab session-where students can perform tasks on standardized patients with opportunity for self-critique, critique by patient and by facilitator.	3.1	Case studies in bioethics - Disclosure of medical errors	AETCOM 3.2			
	<b>Pandemic module</b>	Outbreak Management including Quarantine, Isolation, Contact Tracing((4 hrs)	<b>Pandemic module 3.1</b>					

<b>March</b>	<b>Lecture</b>	Guest lecture on IDSP Surface Infections - I (Leprosy, STD, AIDS) Genetics	CM 8.1,	Sexual Offences, State Medicine	FM3.15, FM3.16, FM4.1 to FM4., FM4.10 to FM4.12, FM4.8, FM4.14 to FM4.28,	Management of diseases of Ear , nose and throat (Deviated nasal septum ;Allergic rhinitis (specific and non specific rhinitis ;Acute rhinosinusitis with complication ;Chronic rhinosinusitis with and without polys / antrochoanal polyp	EN 4.23, 4.24 ;EN 4.27 , EN 4.28;EN 4.29 , EN 4.33;EN 4.25	cornea III-viral keratitis, keratoconus, corneal dystrophies and degenerations,Cornea IV- keratoplasty and eye banking
	<b>SGT</b>	;Quiz on TB; Mindfulness session by Dr Psychiatry faculty Family Planning Family Planning I- methods with advantages and short comings evaluation of contraceptive devices , Family welfare programme, National population policy evaluation of contraceptive devices , Family welfare programme Epidemiology (water) Biostat Exercises I -Sources, types of data, presentation of data, measures of central tendency and variability,probability and normal curve	8.1, 4.3, 10.6, 10.7, 15.1 -15.3	Examination of victim, Examination of alleged accused, Sexual paraphilia, Injury I (Mechanical)	FM14.15, FM14.14, FM3.17, FM3.3	Clinical skills/ Management of diseases of Ear , nose and throat(National program for prevention of cancer , deafness, noise and environmental pollution including noise induced hearing loss ;ENT emergencies (kerosene ingestion, sudden SNHL , Epistaxis , Stridor , Air way emergency tracheostomy )	EN 2.15,EN 2.13, P 14.2 ,EN 4.14, EN 4.47, EN4.30, EN 4.48, EN 4.50, EN3.6  EN 4.15;	Tutorial -Cornea III,Cornea IV
	<b>SDL</b>	Public health events in last five years		-	-	Neonatal screening and Rehabilitation of Deafness	EN2.15	SDL 2-Infectious Conjunctivitis
	<b>AETCOM</b>			Case studies in bioethics - Disclosure of medical errors, The foundations of comm- 4	AETCOM 3.2, AETCOM 3.3			
	<b>Pandemic module</b>	<b>Outbreak Management including Quarantine, Isolation, Contact Tracing (1 hr) Interdisciplinary Collaboration, Principles of Public Health Administration, Health Economics, International Health (1 hr)</b>	<b>Pandemic module 3.1 , 3.2</b>					



<b>April</b>	<b>Lecture</b>	Hospital acquired infections , Geriatric health Essentials of management I and II	CM 8.1 CM 12.1- CM 12.4 8.5 16.1 16.2	<b>General Toxicology</b>	FM8.1 to FM8.3, FM8.6, FM8.8	<b>Management of diseases of Ear , nose and throat(Benign lesion of nose and paranasal sinuses (JNA;Malignant legion of nose and paranasal sinuses / Nasopharyngeal tumors;Facial trauma and facial plastic surgery in ENT;Acute and chronic tonsillitis with adenoid )</b>	<b>EN 4.32;EN 4.34 . EN 4.35;EN 4.31;EN 4.39, EN 4.26;PE 28.2, PE 28.3</b>	Uvea I-anatomy of uvea and classification of uveitis, anterior uveitis,Uvea II-intermediate uveitis,endophthalmitis, panophthalmitis,Lens & Cataract I- anatomy of lens and classification of cataract, stages of cataract, pre operative evaluation of cataract
	<b>SGT</b>	Nutrition IV - Therapeutic diet, community Nutritional assessment, nutritional education, nutritional surveillance Nutrition I - sources of nutrients, classification of food cereals , pulses Nutrition II- Nutritional significance of various food groups Nutrition III-Balanced diet, nutritional requirement of various physiological groups including pregnancy lactation Nutritional assessment	5.1-5.5	Forensic Laboratory investigation in medical legal practice, Documents, Medical Records, Examination of blood, hair, fiber, semen and other body fluids, Mechanical Asphyxia, Demo- Autopsy,	FM6.1 to FM6.3, FM1.9, FM14.5 to FM14.8, FM2.20 to FM2.23	<b>Anatomy and physiology of ear , nose , throat and head and neck(Anatomy &amp; physiology of pharynx;Anatomy and physiology of larynx ) , anatomy and clinical significance of pyriform fossa )</b>	<b>EN 1.1,EN 1.1 AN 36.3</b>	Tutorial- Cornea IV,Uvea I,Uvea II

				Social aspects of Medico-legal cases with respect to victims of domestic violence, dowry-related cases. Domestic Violence Act 2005, Analytical Toxicology,	FM4.13, FM8.7, FM8.10	<b>Palliative care in terminal Head &amp; Neck Malignancies</b>	<b>EN2.15;DE 4.4</b>	SDL 3-Eye donation and Eye Banking
	<b>AETCOM</b>			The foundations of comm.- 4	AETCOM 3.3			AETCOM bioethics- confidentiality
	<b>pandemic module</b>	Interdisciplinary Collaboration, Principles of Public Health Administration, Health Economics, International Health (4 hrs) Operational Research, Field work, Surveillance (4 hrs)	<b>Pandemic module 3.2 Pandemic module 3.3</b>					
<b>May</b>	<b>Lecture</b>	Essentials of management III, MCH-I(ANC, PNC, New-born), Mental health I, Mental health II,	<b>16.3 16.4 , 15.1- 15.3,10.1- 10.4</b>	General Toxicology, Caustics, Metallic irritants	FM8.5, FM8.4, FM8.9, FM9.1, FM9.3	Management of diseases of Ear , nose and throat(Complications of various abscesses – neck space abscesses Ludwigs;Acute and chronic laryngitis ;Benign lesions of larynx (hoarseness and laryngeal paralysis );Malignancy of larynx laryngopharynx ;Malignancy of laryngopharynx	<b>EN 4.37, EN 4.41;EN 4.43;EN 4.44, EN 4.42, EN 4.45;EN 4.46;PE 28.2, PE 28.6</b>	Lens & Cataract II- cataract surgeries and complications, post operative management of cataract, IOLs,Glaucoma I- IOP regulations , angle of anterior chamber, pathophysiology of glaucoma,Glaucoma II- ACG and congenital glaucoma,Glaucoma III- open angle and secondary glaucoma,Retina I- anatomy and functions of retina, rhodopsin cycle, methods of retinal examinations, diabetic retinopathy

	<b>SGT</b>	Exercises I- measurements in epidemiology, problems on descriptive studies, problems on analytical studies epidemiology Exercises II- problems on experimental studies, environment health Tutorial 1- Man and Medicine, concept of Health and disease Principles of Epidemiology and epidemiological methods, screening for the disease Tutorial 2- Epidemiology of Respiratory and intestinal infections	7.4, 7.5, 3.2, 3.6, 1.1-1.10 7.1-7.9, 8.1, 8.3	Mass disaster, Gastric lavage, Clinical Examination of patient of poisoning, Viscera preservation technique,	FM2.33, FM2.34, FM8.8, FM14.2, FM14.3, FM2.14, FM8.5	<b>Management of diseases of Ear , nose and throat(Otalgia ;Indication and steps of myringoplasty and myringotomy )</b>	<b>EN 4.1;EN 4.10 AN 40.4 EN 3.5</b>	Tutorial -Lens & Cataract I,II, Glaucoma I,Glaucoma II,Glaucoma III,Retina I
	<b>SDL</b>			-	-			
	<b>AETCOM</b>			-	-			<b>AETCOM bioethics- confidentiality</b>
<b>June</b>	<b>lecture</b>	MCH-II(JSY,JSSK and other MCH programme), MCH -III(Adolescent, ARSH clinic) , Disaster management (aligned with FMT)	<b>10.5 10.8 9.1 13.1-13.4</b>	Metallic irritants, Forensic Psychiatry	FM9.3, FM5.1 to FM5.5	Management of diseases of Ear , nose and throat(Dysphagia and Cao esophagus ;Foreign body in airway and food passage )	EN 4.38;EN 4.49;PE 28.8	Retina II
	<b>SGT</b>	Tutorial 3-(Epidemiology of Respiratory and intestinal) Tutorial 4- (Epidemiology of arthropod borne diseases and zoonotic diseases, surface infections, emerging reemerging infections and hospital acquired infections ) Tutorial 5-epidemiology of non-communicable diseases Health information and Basic Medical statistics	8.1, 8.3, 8.2 15.1-15.3 13.1-13.4	Non-metallic irritants, Injury 2	FM9.2, FM3.9, FM3.10 to FM3.12	<b>Management of diseases of Ear , nose and throat(Indication and steps of mastoidectomy )</b>	<b>EN 4.11 EN3.5</b>	Tutorial - Retina I,II
	<b>SDL</b>			The Mental Health Act	FM5.6	<b>Prepare 10 MCQs and 10 OSCE questions in ENT with answers</b>	<b>EN1.1 TO EN 4.53</b>	SDL 4-Diabetic Retinopathy
	<b>AETCOM</b>			-	-			
<b>Block II July</b>	<b>Lecture</b>	Health care delivery system in India I ,Health Care Delivery system in India II, Demographic and family planning (National population policy, causes of population explosion, vital statistics, Laws related to medicine including public health	<b>9.3,9.4,9.6, 17.1,17.3,</b>	Impotency, Sterility, Abortion, Infanticide	FM3.22 to FM3.29, FM2.27, FM2.28	<b>Management of diseases of Ear , nose and throat(Stridor (Peadiatric stridor and epiglottitis )</b>	EN 4.47;PE 28.5, PE 28.6, PE 28.7, PE 28.9	Optic nerve- papilledema,papilitis, optic atrophy, Neuroophthalmology- visual and pupillary pathways, Eyelid I - ptosis,

								ectropion, entropion, lid infections.
	<b>SGT</b>			Forensic Pathology, Veg Irritants, Metallic irritants, Delirients, Agricultural poisons	FM2.1 to FM2.13, FM14.17, FM9.3, FM14.17, FM9.5	<b>Management of diseases of Ear, nose and throat (Facial nerve palsy; Tinnitus Clinical features investigation and management)</b>	<b>EN 4.18; EN 4.21</b>	Tutorial- optic nerve, neurophthalmology, visual and pupillary pathways
	<b>SDL</b>			Crime Scene Investigation	FM2.18	<b>Anatomy of Larynx- Model Making</b>	<b>AN38.1, AN38.2</b>	<b>SDL 5-Retinopathy of prematurity</b>
	<b>AETCOM</b>			-	-	<b>Case studies in bioethics- Fiduciary duty</b>	<b>3.5</b>	
<b>Aug</b>	<b>Lecture</b>	Epidemiological transition, Cancers (CA cervix linker case from OBGY), Hypertension with NPCDCS, Diabetes with NPCDCC, Accidents	CM 8.2, 8.3	Agricultural poisons, Biotoxicology, Alcohol	FM9.5, FM11.1, FM9.4			lacrimal apparatus- dacryocystitis, Orbit I- anatomy and spaces of orbit, Orbit II- orbital cellulitis, cavernous sinus thrombosis, Thyroid orbitopathy, Ocular injuries- blunt trauma, penetrating trauma, chemical injuries
	<b>SGT</b>	Tutorial 6-Environment and health, genetics and health, Medicine and social sciences Tutorial 7- Demography and Family Planning Reproductive maternal and child health and Geriatrics Tutorial 8- Nutrition and Health	9.1-9.7 10.1-10.9 12.1-12.4 5.1-5.8 2.1-2.5 3.1-3.8 11.1-11.5 14.1-14.3	Asphyxiants	FM9.6	Management of diseases of Ear, nose and throat (Vasomotor rhinitis; Tumors of nasopharynx)	<b>EN4.28; EN 4.35</b>	Tutorial- lacrimal apparatus- dacryocystitis, Orbit I- anatomy and spaces of orbit, Orbit II- orbital cellulitis, cavernous sinus thrombosis, Thyroid orbitopathy, Ocular injuries- blunt trauma, penetrating trauma, chemical injuries
	<b>SDL</b>			-	-			<b>SDL 6-blunt trauma</b>

<b>Sept</b>	<b>Lecture</b>	Obesity, Blindness, Nutritional surveillance and rehabilitation, Guest lecture on organ donation	8.2,8.3, CM 8.5 , 20.4,19.1-19.3	Alcohol Anti-pyretics Neuropsychot oxicology (Barbiturates and all)- 1 Narcotic Analgesics, Anaesthetics, and Muscle Relaxants	FM9.4, FM10.1			Squint I- Extraocular muscle anatomy,actions and nerve supply,binocular vision , classification of squint, paralytic squint, Squint II- concomittant squint,amblyopia, causes , assessment,management of squint, Intraocular tumours- retinoblastoma, malignant melanoma, enucleation,visceration
	<b>SGT</b>	Tutorial - 9 (Occupational health and Mental health) , Tutorial - 10 (Communication for heaalth education, Health planning and management),	17.1- 17.5 16.1-16.4 6.1-6.4 4.1-4.3 18.1 18.2 19.1-19.3 20.1-20.4	Spinal poisons, Cardiotoxic plants, Medico-legal report on Alcohol intoxication, Snake bite	FM14.17, FM10.1, FM14.16, FM11.1	Management of diseases of Ear , nose and throat(Salivary gland diseases )	EN4.36	<b>Tutorial- lid 1-anatomy and ptosis,squint I, intra ocular tumors</b>
				-	-			SDL 7-Chemical injuries
	<b>Lecture</b>	National nutritional programmes, National health mission, Recent advances(Digital India,Health insurance.), Tribal health, Essential Medicine(Nesting with Pharmac)	5.5, 5.6, 8.3,	Narcotic Analgesics, Anaesthetics, and Muscle Relaxants, Substance abuse, Torture	FM10.1, FM12.1, FM3.30, FM3.31, FM3.33, FM2.15			ocular therapeutics-ocular drug delivery system, mydiatics and cycloplegics, steroids and immunosupressants , anti glaucoma drugs, artificial tears, Community ophthalmology- NPCB,DBCS, Blindness definition ,causes and prevention, vitamin A deficiency, Trachoma control

Oct	SGT			Toxicology Demo, Virginity, Pregnancy, Delivery, Abortion Emerging technologies	FM14.17, FM3.18 to FM3.21, FM3.27, FM3.28 FM7.1	Management of diseases of Ear , nose and throat(Presbycusis;HI V manifestation of ENT)	EN 4.12;EN 4.53	Tutorial - intra ocular tumors- retinoblastoma, malignant melanoma, squint II-concomittant squint, amblyopia, causes and assessment, mangement of squint, community ophthalmology, ocular therapeutics  SDL 8- low vision aids ; SDL 9- school health screening; SDL 10 - ocular complications of systemic medications
	SDL			Designer drugs, Environmenta I Toxicology	FM12.1, FM13.1, FM13.2			

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Oct	SGT			Toxicology Demo, Virginity, Pregnancy, Delivery, Abortion Emerging technologies	FM14.17, FM3.18 to FM3.21, FM3.27, FM3.28 FM7.1	Management of diseases of Ear , nose and throat(Presbycusis;HI V manifestation of ENT)	EN 4.12;EN 4.53	Tutorial - intra ocular tumors- retinoblastoma, malignant melanoma, squint II-concomittant squint, ambylopia, causes and assessment, mangement of squint, community ophthalmology, ocular therapeutics
	SDL			Designer drugs, Environmenta l Toxicology	FM12.1, FM13.1, FM13.2			SDL 8- low vision aids ; SDL 9- school health screening; SDL 10 - ocular complications of systemic medications

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