Bharati Vidyapeeth (Deemed To be) University Medical College, Pune – 43
Department of Community Medicine
III Semester Biostatistics Practical
Term: Aug 2019 – Jan 2020

Time: 2.30-4.30 PM   **Venue: Dept. Commu. Medicine Demo Room**
Day: Monday & Wednesday   **Teachers: Mr.Sane, Mr.Deshmukh**

Sr. No	Title	Date planned B (Monday)	Date planned A (Wed.)	Date Delivered	Name of Teacher & sign
1	Introduction to Biostatistics	05-08-19	07-08-19		
2	Sources and types of Data - Introduction to topic, sources and uses of data	12-08-19	14-08-19		
3	Presentation of data I - Types of presentation of data and types of tabulation of data	19-08-19	21-08-19		
4	Health Information system sources	26-08-19	28-08-19		
5	Presentation of data II – Demonstration of types of graphs and preparation of graphs for quantitative data	09-09-19	04-09-19		
6	Presentation of data III – Demonstration of graphs and charts and preparation of graphs and charts for qualitative data.	16-09-19	11-09-19		
7	Measures of Central Tendency and Variation – Explanation and calculation of Mean, median, mode and coefficient of variation	23-09-19	18-09-19		
8	Probability and Normal curve - Concept and calculation of probability, normal distribution curve	30-09-19	25-09-19		
9	Sampling - Sampling methods and sampling techniques, sample size and its calculation, allowable error	07-10-19	02-10-19		
10	Standard error of means and proportion - Sampling variation, concept of standard error, calculation of standard error of mean and proportion.	14-10-19	09-10-19		
11	Test of significance - Tests of significance for qualitative and quantitative data, level of significance, null and alternative hypothesis, p value, type I and type II error	21-10-19	16-10-19		
12	Z -Test for difference between Two Means - Concept of Z test, calculation of Z value for quantitative data	04-11-19	23-10-19		
13	Z -Test for difference between Two Proportion - SE of difference between two proportions and Z test for qualitative data	04-11-19	30-10-19		
14	Paired t-test - Application of paired t-test, degrees of freedom, different assumptions for paired t-test	11-11-19	06-11-19		
15	Unpaired t-test - application of unpaired t-test, degrees of freedom, different assumptions for the use of unpaired t-test.	18-11-19	13-11-19		
16	Chi-square test - Application of Chi-square test, 2 X 2 table, degrees of freedom, limitations for the use of Chi-square test	25-11-19	20-11-19		
17	Fallacies in Biostatistics - Concept, types and causes of fallacies	02-12-19	27-11-19		
18	Health information system I and II - Solving examples of vital events like crude death rate, birth rate, infant mortality rate, general fertility rate etc.	09-12-19	04-12-19		
19	Revision 1: Excel	16-12-19	11-12-19		
20	Revision 2	23-12-19	18-12-19		
21	Journal Certification	30-12-19	01-01-20		