Code No: B2205/R10

| Set No.1 |

II B.Pharmacy II Semester Supplementary Examinations, April 2017
BIOSTATISTICS

Time: 3 hours   Max Marks: 75

Answer any FIVE Questions
All Questions carry equal marks
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1. (a)Explain the construction of Histogram.
   (b) Draw histogram for the following frequency distribution.   [6+9]

Variable	10-20	20-30	30-40	40-50	50-60	60-70	70-80
Frequency	12	30	35	65	45	25	18

2. (a)Explain briefly about Kurtosis.
   (b) In a family of 5 children, find the probability that there are: (a)Atleast one boy
   (b)No boys.   [7+8]

3. Calculate Karl Pearson's Coefficient of correlation the following data.   [15]

Variable	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80
Frequency	5	6	11	21	35	30	22	11

4. (a) Explain Non Linear Regression
   (b) The ranks of 10 students in two subjects A and B are given below.

Student	1	2	3	4	5	6	7	8	9	10
RanksInABSubjects	10	7	2	6	4	9	3	1	11	15

. Use Spearman's formula and find rank correlation coefficient.   [4+11]

5. (a)Distinguish between a population and a sample. What is a random sample?
   Describe some methods of drawing random sample from a finite population
   (b) write the assumptions for paired t-test?   [7+8]

6. (a) what are the different non-parametric tests explain them?
   (b) Explain the procedure for mann-whitney U-test?   [7+8]

7. (a) write difference between LSD, CRD, and RBD?
   (b) Explain the main control charts for attributes and obtain their control limits?
   And explain the advantages and disadvantages of control chart of attributes?
        [7+8]

8. (a)Explain the analysis of random block design with one missing observation in
   brief?
   (b) . Bayer's theory   [7+8]

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