

FEBRUARY 2011

[KY 761]

Sub. Code : 4255

**FIRST B.PHARM. DEGREE EXAMINATION.****(Regulations 2009)****Candidates Admitted from 2009–10****Paper V — BIOSTATISTICS AND COMPUTER APPLICATION*****Q. P. Code : 564255*****Time : Three hours****Maximum : 80 marks****SECTION A****(BIOSTATISTICS)****I. Essay Questions : Answer any ONE questions. (1 x 20 = 20)**

1. Write various types of sampling and discuss the methods of probability sampling.
2. Calculate the Regression Equations for the following data

X :	2	2	3	4	4	5	6	7	8	9
Y :	10	11	12	13	14	15	20	18	22	25

**II. Write short notes : Answer any THREE questions. (3 x 5 = 15)**

1. Discuss about Bar chart and Pie diagram.
2. Calculate the Mean, Median, Mode  
45, 55, 58, 62, 65, 68, 69, 70, 73, 74, 77, 79, 74, 81, 74, 83, 89, 93, 96, 99.
3. Calculate the Standard Deviation and Co-efficient of Variation.  
25, 28, 30, 27, 25.
4. Write short notes on null hypothesis and alternative hypothesis.
5. A bag contains 7 white, 6 red and 5 black balls. Two balls are drawn at random.  
Find the probability that both will be re

**III. Short answers : Answer any TWO questions. (2 x 2.5 = 5)**

1. Define Probability.
2. What is positive Correlation and Negative Correlation?
3. What is the meaning of an Ogive graph?

**(PTO)**

**SECTION B****COMPUTER APPLICATION**

**I. Essay Questions :** Answer any ONE questions. (1 x 20 = 20)

1. Discuss the computer memories and secondary storage devices.
2. (a) Discuss the types of operators available in C language.  
(b) Explain the for loop with an example.

**II. Write short notes :** Answer any THREE questions. (3 x 5 = 15)

1. Define multimedia. Outline some of its applications.
2. Write short notes on Internet and its uses.
3. Write a note on MS-Excel and MS-PowerPoint.
4. Outline the constants and variables available in C.
5. Discuss the functions of central processing unit.

**III. Short answers :** Answer any TWO questions. (2 x 2.5 = 5)

1. Modem.
2. Flow chart.
3. HTTP.

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