Total No. of Questions :4]

SEAT No. :

P2837

[Total No. of Pages :2

[5029]-104
M.Sc.
ZOOLOGY
ZY-104 (T): Biostatistics
(2013 Pattern) (Semester - I)

Time : 1½ Hours] *[Max. Marks :25*

Instructions to the candidates:

1) ***Attempt any two questions from Q 1, Q 2, and Q 3.***
2) ***Questions 4 is compulsory.***
3) ***Figures to the right indicate full marks.***
4) ***Use of calculator and statistical tables is allowed.***

Q1) a) Define the terms: Population, frequency, cumulative frequency, mode. **[4]**

b) Describe in brief the method of drawing pie diagram. **[3]**

c) Define the term bivariate data. Give one suitable example. **[3]**

Q2) a) The table below gives frequency distribution. Compute 17th Percentile. **[4]**

Class	Frequency
00-20	12
20-40	19
40-60	26
60-80	32
80-100	17
100-120	11

b) State the formula for quartile deviation, variance and coefficient of variation. **[3]**

c) Explain the concept of regression. State the equations of two regression lines. **[3]**

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Q3) a) What are different types of events? Give one example of each. **[4]**

b) State the probability distribution of Poison distribution. Also state its properties. **[3]**

c) Define: Hypothesis, P-value, Type II error. **[3]**

Q4) Write short note on any one: **[5]**

a) F-test for equality of two population variance.

b) Mathematical and Classical definition of Probability.

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