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6 SEM TDC DSE BOT (CBCS) 4 (H)

2022

(June/July)

BOTANY

(Discipline Specific Elective)

(For Honours)

Paper : DSE-4

(Biostatistics)

Full Marks : 53

Pass Marks : 21

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

1. Answer the following in brief : $1 \times 5 = 5$

- (a) In statistical table row heading is called as _____.
- (b) What are variables?
- (c) What is Poisson distribution?
- (d) Define regression.
- (e) What is range?

(2)

2. Write short notes on any two of the following : $3 \times 2 = 6$

(a) Correlation coefficient

(b) t-test

(c) Frequency ogive

3. Write explanatory notes on any three of the following : $5 \times 3 = 15$

(a) Histogram

(b) A typical table

(c) Chi-square test

(d) Systematic sampling

4. What is geometric mean? Write down its merits and demerits. $2 + 3 = 5$

5. Enlist the differences between correlation and regression. 5

6. What is biostatistics? Write down its applications in biological sciences. $2 + 5 = 7$

Or

Give a detailed account on sampling methods. 7

(3)

7. Define mean, median and mode. Calculate the mean, median and mode of the data given below : $3 + 7 = 10$

Class interval	Frequency
10-25	2
25-40	3
40-55	7
55-70	6
70-85	6
85-100	6

Or

What are primary and secondary data? Explain the different methods for collection of data. $4 + 6 = 10$
