[6187]-551A

T.E. (Honor Course) (AI & ML) (Insem.)
COMPUTATIONAL STATISTICS
(2019 Pattern) (Semester - I) (310301)

Time : 1 Hour] *[Max. Marks : 30*

Instructions to the candidates :

1) *Answer Q.1 or Q.2, Q.3 or Q.4.*
2) *Neat diagrams must be drawn wherever necessary.*
3) *Figures to the right side indicate full marks.*
4) *Assume suitable data, if necessary.*

Q1) a) What is statistics and their types? Also explain importance of statistics.**[7]**

b) Explain Mean, Medium and Mode with examples. **[8]**

OR

Q2) a) Explain Importance of Data Visualization and explain scatter plot and histogram. **[8]**

b) Differentiate between Univariate and Bivariate analysis. **[7]**

Q3) a) Explain continuous distribution and type of continuous distribution. **[7]**

b) Differentiate between Normal & Poisson Distribution. **[8]**

OR

Q4) a) Explain lognormal distribution in detail. **[5]**

b) Define Weibull distribution and explain Weibull probability density function (pdf) in brief. **[5]**

c) Explain the concept of poisons distribution. **[5]**

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