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**NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY, GREATER NOIDA**

(An Autonomous Institute)

Affiliated to Dr. A.P.J. Abdul Kalam Technical University, Uttar Pradesh, Lucknow

**B.Tech**

**FIRST YEAR (SEMESTER-II) THEORY EXAMINATION (2020-2021)**

(Subjective Type)

Subject Code: ACSBS0201

Subject: Statistical Methods

Max. Mks. : 30

Time : 50 Minutes

**General Instructions:**

*All questions are compulsory.*

*Question No. 1 to 15 are subjective type question carrying 3 marks each. Attempt any 10 out of 15 questions.*

Q.No	Question Content	Question Image	Category	Sub Category	Marks	Options Randomization	Type	Difficulty
1	What is Stratified sampling?		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
2	What is the difference between sample with replacement and without replacement?		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
3	What is Sampling? Mention any two types of Sampling.		Attempt any 10 questions	10 x 3=30	3		Subjective	Smart
4	What are the 3 types of scatter plots?		Attempt any 10 questions	10 x 3=30	3		Subjective	Smart
5	What is the formula of least square method?		Attempt any 10 questions	10 x 3=30	3		Subjective	Smart
6	Which test is applied to analysis of variance?		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
7	What is point estimation?		Attempt any 10 questions	10 x 3=30	3		Subjective	Smart
8	Mention two characteristics for a good estimator?		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant

Q.No	Question Content	Question Image	Category	Sub Category	Marks	Options Randomization	Type	Difficulty
9	Define normal distribution?		Attempt any 10 questions	10 x 3=30	3		Subjective	Smart
10	Define parameter and statistics.		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
11	Define hypothesis. Name the types of hypothesis.		Attempt any 10 questions	10 x 3=30	3		Subjective	Smart
12	What is critical region?		Attempt any 10 questions	10 x 3=30	3		Subjective	Smart
13	State the uses of time series.		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
14	Mention the components of the time series.		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
15	Name the methods which are used in forecasting techniques.		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant