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Total No. of Pages : 02

Total No. of Questions : 09

B.Tech (CSE (Data Science)) (Sem.-5)
COMPUTATIONAL DATA ANALYTICS

Subject Code : BTDS 501-20

M.Code : 92322

Date of Examination : 06-01-2023

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

1. Write briefly :

- a) R Computing Language
- b) Sampling in data analysis
- c) Descriptive Statistical
- d) List different type of Plots
- e) Power Analysis
- f) Linear regression
- g) Information theoretic approach
- h) Data Visualization
- i) Likelihood in linear regression
- j) Interaction effect

SECTION-B

2. What is reproducible research in data science?
3. What is simulation in research?
4. What are frequentist vs. Bayesian?
5. What is meant by Z-test?
6. Where is multiple regression analysis used?

SECTION-C

7. What are the best practices in executing reproducible research in data science?
8. What are different techniques of data import and visualization? Discuss.
9. What is Bayesian inference? Explain fitting a line with Bayesian techniques.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.