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Question Paper Code:U3916

M.E. DEGREE EXAMINATION, APRIL 2024

Elective

Computer Science and Engineering

21PCS516 - ANALYTICAL DATA SCIENCE

(Regulations 2021)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART - A (5 x 20 = 100 Marks)

1. (a) Explain the different stages of data science project. CO1- U (20)
Or
(b) Explain the different applications of data science in different fields. CO1- U (20)
2. (a) Define outlier. Explain outlier analysis in detail. CO1- U (20)
Or
(b) Explain the different descriptive statistic features. CO1- U (20)
3. (a) Explain about the matrix factorization in detail. CO2- App (20)
Or
(b) Explain the different distance measures with examples. CO2- App (20)
4. (a) Explain about the string operation in Python with examples. CO1- U (20)
Or
(b) Compare and contrast list and tuples in Python with examples. CO1- U (20)
5. (a) Explain in detail about chart types in detail with examples. CO1- U (20)
Or
(b) Explain about the data acquisition methods in detail. CO1- U (20)

