

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, May 2020

Course: Analytics in Banking Industry

Program: B. Tech. CSE (BFSI)

Course Code: CSIB 424

Semester: VIII

Time 03 hrs.

Max. Marks: 100

Instructions: All questions are compulsory

SECTION A

S. No.		Marks
Q 1	_____ is the way of studying the web link structure. A. Computer network. B. Physical network. C. Social network. D. Logical network.	5
Q 2	Itemsets in the _____ category of structures have a counter and the stop number with them. A. Dashed. B. Circle. C. Box. D. Solid.	5
Q 3	The _____ engine for a data warehouse supports query-triggered usage of data A. NNTP B. SMTP C. OLAP D. POP	5
Q 4	_____ displays of data such as maps, charts and other graphical representation allow data to be presented compactly to the users. A. Hidden B. Visual C. Obscured D. Concealed	5
Q 5	Research on mining multi-types of data is termed as _____ data. A. graphics. B. multimedia. C. meta. D. digital.	5
Q 6	Which of the following is an operation in genetic algorithm? A. Inversion. B. Dominance. C. Genetic edge recombination. D. All of the above.	5

SECTION B

Q7	Illustrate are the components of Data Warehouse? Discuss the three-tier data warehouse architecture.	10
Q8	Design a BI application and describe how you will handle missing value in dataset before mining process.	10
Q9	Explain how to plan a BI project? How to prioritizing and validating BI requirements?	10
Q10	Explain the importance of creating Dashboard. Who needs to see the dashboard? How up to date does the dashboard need to be?	10
Q11	Explain how decision tree induction in algorithm works, with example. OR Explain k means algorithm with an example. Describe the pros and cons of k means in comparison with k medoids algorithm.	10
SECTION C		
Q12	Explain Top-Down Induction of Decision Tree. Examine the components of the Top-Down Induction of Decision Trees Procedure. OR Write a short note on a. Cluster analysis in banking domain b. Bayesian classifier c. Graph based clustering d. DB Scan algorithm	20