

Exam Date & Time: 28-Sep-2020 (10:00 AM - 01:45 PM)



PSG COLLEGE OF ARTS AND SCIENCE

Note: Writing 3hrs: Checking & Inserting Image : 30mins

BSc DEGREE EXAMINATION MAY 2020
(Sixth Semester)

Branch - COMPUTER SCIENCE
DATA MINING [14CMU34]

Marks: 75

Duration: 210 mins.

SECTION A

Answer all the questions.

- 1) How do you define a data warehouse? (2)
- 2) Find out the types of meta data. (2)
- 3) Comment on the term "KDD". (2)
- 4) What do you mean by pruning? (2)
- 5) Comment on the term "PAM". (2)
- 6) List out the advantages of decision tree algorithm. (2)
- 7) What is a reduct? (2)
- 8) How do you use Fuzzy in Rough set? (2)
- 9) Define web content mining. (2)
- 10) Define the term SPADE. (2)

SECTION B

Answer all the questions.

- 11) Prepare a note on "Date Warehousing". (5)
 - a) [OR] Compare multidimensional OLAP with Relational OLAP. (5)
 - b)
- 12) Bring out the various stages of KDD and explain. (5)

- a)
[OR] Explain the importance of discovering the association rule. (5)
b)
- 13) Prepare a short note on partitioning algorithm. (5)
- a)
[OR] Explain the tree construction principles. (5)
b)
- 14) Explain the methods to compute reducts. (5)
- a)
[OR] Analyse the concept of Granular computing. (5)
b)
- 15) Write a short note on pagerank in web structure mining. (5)
- a)
[OR] Narrate the concept of temporal association rule. (5)
b)

SECTION C

Answer 3 out of 5 questions.

- 16) Discuss in details about multi dimensional data model with neat diagram. (10)
- 17) Point out any ten data mining application areas. (10)
- 18) Examine k-Medoid algorithm in details with examples. (10)
- 19) Highlight the concept of Rough set theory in details. (10)
- 20) Discuss about text clustering with examples. (10)

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