

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

BCA DEGREE EXAMINATION MAY 2020
(Sixth Semester)

Branch - COMPUTER APPLICATIONS
DATA WAREHOUSING AND MINING [14CAU34]

Marks: 75

Duration: 210 mins.

SECTION A

Answer all the questions.

- 1) What do you mean by OLAP? (2)
- 2) Define Metadata. (2)
- 3) What do you mean by security in hardware and operational design? (2)
- 4) Define the term recovery. (2)
- 5) Define data mining. (2)
- 6) What are the challenges in data mining? (2)
- 7) Define clustering. (2)
- 8) What do you mean by CART? (2)
- 9) What is temporal mining? (2)
- 10) Define spatial mining. (2)

SECTION B

Answer all the questions.

- 11) Write short notes on multidimensional data model. (5)
 - a)
- [OR] Give brief notes on data Marking. (5)
 - b)
- 12) Explain briefly about the Back up and Recovery process. (5)

- a)
[OR] Explain briefly about the hardware architecture. (5)
b)
- 13) What are the methods to discover association rules in data mining? (5)
- a)
[OR] What is border algorithm? Explain. (5)
b)
- 14) What are the principles of tree construction in decision tree? (5)
- a)
[OR] Write short notes on hierarchical clustering. (5)
b)
- 15) Discuss briefly about web content mining. (5)
- a)
[OR] Explain various advantages of temporal association rules. (5)
b)

SECTION C

Answer 3 out of 5 questions.

- 16) Explain in detail about data warehousing architecture. (10)
- 17) Describe in detail about the tuning and testing the data warehouse. (10)
- 18) Discuss about the Apriori algorithm with example. (10)
- 19) Enumerate the various steps of decision tree construction algorithm. (10)
- 20) Give detailed notes on temporal and spiral data mining. (10)

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