(6 pages) **Reg. No. :** .....

Code No. : 9319 **Sub. Code : HCAM 52**

M.C.A. (CBCS) DEGREE EXAMINATION, NOVEMBER 2017.

Fifth Semester

Computer Applications

DATA MINING AND WARE HOUSING

(For those who joined in July 2012-2015)

Time : Three hours Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer.

1. The process of finding a model that describes and distinguishes data classes or concepts

   (a) data characterization

   (b) data classification

   (c) data discrimination

   (d) data selection

2. Expand ODS

   (a) Online Decision Select

   (b) Operational Definition Service

   (c) Operational Data Store

   (d) None

3. The clustering algorithm which is targeted to both Boolean data and categorical data are

   (a) ROCK (b) CART

   (c) SPRINT (d) KDD

4. Potentially large item sets are called

   (a) data mining (b) candidates

   (c) groups (d) tables

5. The output of any knowledge discovery data base will

   (a) data (b) no information

   (c) query (d) useful information

6. A key which is used to represent relationship between tables is called

   (a) primary key

   (b) secondary key

   (c) foreign key

   (d) none

Nesamony Memorial Christian College, Marthandam

7. Web pages are defined using

(a) HTML

(b) page maker

(c) C++

(d) none

8. A set of tools that facilitate gathering of information from diverse sources

(a) KDD

(b) Harvest system

(c) Data mining

(d) Crawler

9. Expand GIS

(a) Geographic Instrument Selection

(b) Geographic Information Spatial

(c) Geographic Information Systems

(d) None

10. A thematic map which represents objects by a geometric structure by

(a) vector based (b) graphs

(c) quad trees (d) trees

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) Explain the characteristics of data warehousing.

Or

(b) Discuss about the applications of data mining.

12. (a) Write a note on decision tree.

Or

(b) Discuss on large item sets.

13. (a) Give a note on Bayesian classification.

Or

(b) Discuss about the hierarchical methods in the clustering.

14. (a) Write about the four primitive operations of virtual web view.

Or

(b) Discuss on the activities of web usage mining.

Nesamony Memorial Christian College, Marthandam

15. (a) Explain Quad tree.

Or

(b) Write a note on the three types of spatial rules.

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Explain with a neat diagram about data ware house architecture.

Or

(b) Write a note on meta data.

17. (a) Give a brief account on association rules in mining.

Or

(b) Explain about split algorithms.

18. (a) What are the issues in classification? Explain with an example.

Or

(b) Explain CART.

19. (a) Write a note on the three primary components of a crawler.

Or

(b) Discuss about the ranking of web pages.

20. (a) Explain spatial data mining primitives.

Or

(b) What are spatial rules?

———————

Nesamony Memorial Christian College, Marthandam