

F-2126

Sub. Code

7PCS2C3

M.Phil. DEGREE EXAMINATION, APRIL 2019

Second Semester

Computer Science

DATA WAREHOUSING AND MINING

(CBCS – 2017 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(5 × 5 = 25)

Answer any **five** questions.

1. What is data warehouse ? List its benefits.
2. Define parallelism. Explain its types.
3. What are the needs for OLAP ? Explain
4. Briefly explain the Cognos Impromptu.
5. Explain how the evolution of database technology led to data mining.
6. Explain the different approaches for the integration data mining system with a database system.
7. What is data preprocessing? State why the data preprocessing is an important activity for data mining.
8. What do you mean by Cluster Analysis? What are the fields in which clustering techniques are used?

Part B

(5 × 10 = 50)

Answer **all** questions choosing either (a) or (b).

9. (a) Explain the metadata interchange standard framework in detail.

Or

- (b) Describe the data warehouse architecture in detail.

10. (a) Explain the categories of OLAP tools in detail.

Or

- (b) In what way the OLAP tools are used for the Internet? Explain.

11. (a) Describe the steps involved in data mining when viewed as a process of knowledge discovery.

Or

- (b) Outline the major research challenges of mining in the following domains:

- (i) Financial
- (ii) Bioinformatics.

12. (a) Describe the Rule Based Classification in detail.

Or

- (b) What is Lazy Learners classifiers? Explain it.

13. (a) Briefly explain the Cluster Analysis concepts with suitable examples.

Or

- (b) Briefly explain the Density-Based clustering methods.