

Master of Technology
Third Semester Main Examination, December 2021
Data Mining and Warehousing [MTCTA301(1)]

Time: 3:00 Hrs

Max Marks 70

Note : Attempt any five questions.

All questions carry equal marks.

- Q.1 What is difference between the three man types of data warehouse usage. Information processing. Analytical processing and data mining.
- Q.2 Explain in detail about data discretization and concept hierarchy generation.
- Q.3 Describe challenges to data mining of regarding data mining methodology and uses interaction issues.
- Q.4 Explain in detail about various dimensionality reduction techniques.
- Q.5 Evaluate the need for data preprocessing by taking example of an application of your choice.
- Q.6 Write short note on any two of the following.
i) Data mort
ii) Confusion matrix
iii) Metadata repository.

Master of Technology
Third Semester Main Examination, December 2021
Software Testing and Quality Assurance [MTCTA302(1)]

Time: 3:00 Hrs

Max Marks 70

Note : Attempt any five questions out of Eight.
All question carry equal marks.

- Q.1 Explain the difference between the following.
(a) Functional testing and structural testing.

(b) OOA and OOD testing models.
- Q.2 Explain the following :-
i) Statement coverage

ii) Desi decision coverage

iii) Defect density
- Q.3 Write down the test cases to test the calculator program in windrows.
- Q.4 What do you mean by SQA? Explain various activates involved in SQA process in details.
- Q.5 Explain that how software testing is associated with software quality assurance.
- Q.6 Explain productivity model to measure the cost and productivity of the software.
- Q.7 Explain boundary value anywise with example.
- Q.8 Write a note on –
i) Cause and effect diagrams

ii) Product Quality metrics