

EXAMINATION PAPER

FACULTY	**	COMPUTER SCIENCE AND MULTIMEDIA
COURSE	**	MASTER OF COMPUTER SCIENCE
YEAR/ SEMESTER	**	FIRST YEAR / SEMESTER TWO
MODULE TITLE	120	DATA WAREHOUSING & BIG DATA
3000 3000		DWB 121
TIME ALLOWED		SHOURS

instruction to candidates

- 1. This question paper has THREE (3) Sections.
- 2. Answer ALL questions in Section A, VSAQ.
- 3. Answer 7 questions out of 9 in Section B, SAQ.
- 4. Answer 2 questions out of 3 in Section C, LAQ.
- 5. No scripts or answer sheets are to be taken out of the Examination Hall.

Do not open this question paper until instructed

(Candidates are required to give their answers in their own words as far as practicable)

Y SOLOS

Very Short Answer Questions Attempt all questions

1 × 2

- 1. What is data mining?
- 2. Write about the support and confidence in mining.
- 3. What is the web mining?
- 4. Define ODS.
- 5. Write about data cube.
- , State the qualities of good clusters.
- 7. Mention the issues during text representation.

SECTIONS

Short Answer Questions

Attempt any seven (7) questions out of nine (9) questions [7×8=56]

- State the major challenges of mining a huge amount of data (e.g., billions of tuples) in comparison with mining a small amount of data (e.g., data set of a few lumfied tuple).
- "A data warehouse is a subject-oriented, integrated, time-variant, and nonvolatile collection of data in support of management's decision making process". Explain.
- 3. Discuss how we can relate online airline ticket booking as OLTP.
- 4. Can we generate equivalent SQL for OLAP queries? Explain with example.
- "Stock market prediction is an important application of time- series analysis".
 Describe with reasons.
- 6. Explain the Apriori Algorithm with its steps.
- 7. Show the difference between classification and clustering.
- 8. Briefly explain the different types of web mining.
- 9. Discuss the Loops in Data warehousing.

SECTION

Long Answer Questions Attempt any two (2) questions out of three (3) questions [2×15-30]

- Outliers are often discarded as noise. However, one person's garbage could be another's treasure. For example, exceptions in credit card transactions can help us detect the fraudulent use of credit cards. Using fraudulence detection as an example, propose two methods that can be used to detect outliers and discuss which one is more reliable.
- Explain the important features of SSIS. Discuss the disadvantages of SSIS. Why
 do you use Execute SQL Task in SSIS?[6+5+4]
- 3. The following table consists of training data. Construct a Decision Tree based on this data, using the basic algorithm for decision tree induction. Classify the records by the "Status" attribute. Write down the rules that can be generated from the obtained decision tree.

Age range Salary Cass	Niche Control	Young	Middle-aged	Young High Lunor	Middle-aged High Scalor	Young High Junior	Senior Senior	Middle-aged High Senior	Middle-aged Average Semon	Sentior Average Sentior	
	Sales	Sales	Sales	System	System	System	S. S. C. E.	Marketing	Marketing	Secretary	

**** AUNT OLISIO****