

MASTER OF BUSINESS ADMINISTRATION**Business Analytics****Subject: Data Modelling****Subject Code: MAN801****Semester: First****February 2022****Theory (External): 70 Marks****Time: 03 Hours****Instructions to the Students**

1. This Question paper consists of two Sections. All sections are compulsory.
2. Section A comprises 10 questions of objective type in nature. All questions are compulsory. Each question carries 2 marks.
3. Section B comprises 8 essay type questions out of which students need to do any 5. Each question carries 10 marks.
4. Read the questions carefully and write the answers in the answer sheets provided.
5. Do not write anything on the question paper.
6. Wherever necessary, the diagram drawn should be neat and properly labelled

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SECTION -A (SHORT/OBJECTIVE TYPE QUESTIONS)
(10x2=20 Marks)

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- A How can you import a table created in another database or other file formats in Ms access .
 - B Define Network model.
 - C What are the two levels of independence?
 - D Define single valued and multivalued attributes.
 - E Define third Normal Form?
 - F What do you mean by simple and composite attribute
 - G What are the three levels of abstraction?
 - H Define Relationship and Relationship set?
 - I What is meant by normalization of data?
 - J Define instance and schema?

SECTION -B (ESSAY TYPE QUESTIONS)
(5x10=50 Marks)

- 1 Explain data model and list the types of data model used?
- 2 What are the different auto reports available in Access?
- 3 Explain how the integrity constraints are specified and enforces?

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r other file

- 4 Define normalization? Explain 1NF,2NF,3NF normal forms
- 5 Discuss about the logical database Design?
- 6 What are the pitfalls in relational database design? With a suitable example, explain the role of functional dependency in the process of normalization.
- 7 Define a functional dependency. List and discuss the six inference rules for functional dependencies. Give relevant examples
- 8 Construct an E-R diagram for a hospital with a set of patients and a set of medical doctors. Associate with each patient a log of the various tests and examination conducted.

*******END OF PAPER*******