

End Semester Examination (2021-22)-Odd Semester

Diploma (BM) – III Year (V Sem)

Course Name: Medical Informatics and Expert System

Code: DBT5004

Time: 02 Hours

Max Marks: 60

University Roll No.

(To be filled by the Student)

Note: Please read instructions carefully:

- The question paper has 03 sections and it is compulsory to attempt all sections.
- All questions of Section A are compulsory; questions in Section B and C contain choice.

Section A: Very Short Answer type Questions Attempt all the questions.		BL	CLO	Marks (10)
1.	Define the term normalization.	BL1	CLO1	02
2.	What is E-R diagram?	BL1	CLO1	02
3.	Define the term database.	BL1	CLO2	02
4.	Define query language.	BL1	CLO2	02
5.	Define the term indexing.	BL1	CLO3	02
Section B: Short Answer Type Questions Attempt any 03 out of 06 questions.		BL	CLO	Marks (30)
1.	Explain advantages of database by giving an example.	BL2	CLO2	10
2.	Define transitive dependency with the help an example.	BL1	CLO3	10
3.	Explain queue data structure with the help of suitable examples.	BL2	CLO3	10
4.	What are the characteristics of a homogeneous data structure?	BL1	CLO4	10
5.	Explain DML and various commands of DML.	BL2	CLO4	10
6.	Explain DDL with the help of suitable examples.	BL2	CLO4	10
Section C: Long Answer Type Questions/Case Study Attempt any 01 out of 04 questions.		BL	CLO	Marks (20)
1.	Discuss bayesian belief networks with the help of suitable examples.	BL6	CLO1	20
2.	Explain medical diagnosis system by giving suitable examples.	BL5	CLO2	20
3.	What is expert system? Design a expert system for any medical information system	BL6	CLO3	20
4.	Discuss data storage and retrieval system by giving suitable examples.	BL6	CLO4	20