Printed Pages – 3

Roll No.:....

322556(22)

B. E. (Fifth Semester) Examination, April-May 2021

(New Scheme)

the undered him elis (CSE Branch) if there eligible with

DATABASE MANAGEMENT SYSTEM

Time Allowed: Three hours

Maximum Marks: 80

Minimum Pass Marks: 28

Note: Attempt all questions. Part (a) of each question is compulsory. Attempt any two parts from (b), (c) and (d) of each question.

Unit-I

1. (a) Define Data Dictionary.

2

		[2]	
	(b)	Explain three levels of Architecture of DBMS.	7
	(c)	What is an Attribute? Explain various types of Attributes in details.	7
	(d)	Define Generalization and Specialization with suitable diagram.	7
		B. E. (PHth Symposium) Examination.	
2.	(a)	Define Primary Key.	2
	(b)	What do you mean by Constraints and explain its types?	7
	(c)	What is Relational Algebra? What are the operations performed in Relational Algebra?	7
	(d)	Write short notes on Tuple and Domain Calculus.	7
3.		Unit-III Define Alter Command.	2
	(b)	What is SQL? Explain DDL and DMK with	
		examples.	7

[3]

Unit-IV

4.	(a) What do you mean by Schema?	2
	(b) Describe Multivalued Dependency with example.	7
	(c) Explain Serializability and the concept of conflict Serializability.	7
	(d) Define Normalization and also described the BCNF.	7
	Unit-V	
5.	(a) Define Recovery System.	2
	(b) Explain in details about B ⁺ Tree.	7
	(c) What are the different types and causes of failure?	7
	(d) Explain record storage primary file organization.	7

(d) Explain Logical Operation in SQL with example.

(c) Explain Trigger in detail.