

301404

August/September 2022

BBA (Gen.) IV SEMESTER

Data Base Management System (BBA-GEN-404)

Time : 3 Hours]

[Max. Marks : 75

Instructions :

1. *It is compulsory to answer all the questions (1.5 marks each) of Part-A in short.*
2. *Answer any four questions from Part-B in detail.*
3. *Different sub-parts of a question are to be attempted adjacent to each other.*

PART-A

1. (a) Define information. (1.5)
- (b) Define data independence. (1.5)
- (c) Define Attribute. (1.5)
- (d) Write disadvantage of file-oriented system. (1.5)
- (e) Define threat. (1.5)
- (f) Define DML. (1.5)
- (g) What do you mean by digital libraries? (1.5)
- (h) Define distributed databases. (1.5)
- (i) What is weak entity? (1.5)
- (j) Give *one* example of multimedia database. (1.5)

PART-B

2. (a) What are the functions and responsibilities of database administrator? (10)
(b) What is the purpose of data dictionary? (5)
 3. What are different data models in database system? Explain all them in detail. (15)
 4. What do you mean by data mining? What are different steps involved in data mining process? Explain with detailed diagram. (15)
 5. (a) What do you mean by firewall? Discuss its working. (5)
(b) What are different techniques of database security? (10)
 6. (a) What are different types of schemas? Explain them. (5)
(b) Explain the architecture of database system. (10)
 7. Write short note on the following :
(a) Mobile databases.
(b) Types of threats.
(c) Database Recovery. (5×3=15)
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