

MCA-13**June/December – Examination 2020****Master of Computer Application
(II Year) Examination****Advanced Database Management System****Paper : MCA-13***Time : 2 Hours]**[Maximum Marks : 80*

Note :- The question paper is divided into two Sections A and B. Write answers as per given instructions.

Section-A**8×2=16****(Very Short Answer Type Questions)**

Note :- Answer all questions. As per the nature of the question delimit your answer in one word, one sentence or maximum up to **30** words. Each question carries 2 marks.

1. (i) What do you mean by Data ?
- (ii) What do you mean by View ?
- (iii) What is the use of the SELECT statement in SQL ?

- (iv) What is a Composite Attribute ?
- (v) What is Primary Key ?
- (vi) What is Checkpoint ?
- (vii) What do you mean by Database Recovery ?
- (viii) Name any two aggregate functions in SQL.

Section-B **4×16=64**

(Short Answer Type Questions)

Note :- Answer any *four* questions. Each answer should not exceed **200** words. Each question carries 16 marks.

- 2. Explain the ACID properties of the transaction.
- 3. Explain the advantages of the database.
- 4. What is SQL ? What are the characteristics of SQL ?
- 5. Discuss various issues of Database security.
- 6. Discuss the role of various types of Database users.
- 7. Discuss insert, delete and update anomalies.

- 8. Describe the cardinality ratios for Binary Relationships.
- 9. Explain Triggers in SQL with a suitable example.