NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY, GREATER NOIDA

(An Autonomous Institute)

Affiliated to Dr. A.P.J. Abdul Kalam Technical University, Uttar Pradesh, Lucknow

MCA

FIRST YEAR (SEMESTER-II) THEORY EXAMINATION   (2020-2021)

(Subjective Type)

Subject Code: AMCA0202   **Max. Mks. : 30**

Subject: Database Management System   **Time   : 50 Minutes**

General Instructions:

All questions are compulsory.

Question No. 1 to 15 are subjective type question carrying 3 marks each. Attempt any 10 out of 15 questions.

Q.No	Question Content	Question Image	Category	Sub Category	Marks	Options Randomization	Type	Difficulty
1	Who is a DBA? What are the responsibilities of a DBA?		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
2	Define database management system		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
3	What are the disadvantages of file processing system		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
4	What is a "key" in the Relational Model?		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
5	What is a "foreign key" in the Relational Model?		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
6	List the aggregate functions supported by SQL?		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
7	Define Normalization with Example.		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
8	Define Functional Dependency with an example		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant

Q.No	Question Content	Question Image	Category	Sub Category	Marks	Options Randomization	Type	Difficulty
9	List all the Normal Forms		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
10	What are the properties of a transaction?		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
11	Define Concurrent transactions.		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
12	Define Distributed Database		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
13	Define Concurrency		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
14	List the Concurrency Control techniques		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
15	Define Timestamp		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant