
 <b>SURESH GYAN VIHAR UNIVERSITY</b> <small>Accredited by NAAC with 'A' Grade</small>		<b>INTERNAL ASSIGNMENT - 1</b>
<b>Course</b>	<b>MCA</b>	<b>Database Management System</b>
<b>Semester</b>	<b>2</b>	
<b>Total Marks:</b>	<b>15</b>	

**Q.1. Write answers for any two questions from below. (5 marks each – Word limit – 500)**

- A. Define DBMS and explain need of DBMS.
- B. Explain the intuition behind the two rules in the bell-LaPadula model for mandatory Access control.
- C. Explain the advantages and problems associated with concurrent execution of transaction.

**Q.2. Write short notes on all of the following topics (1 mark each - Word limit - 100)**

- A. Joint Dependency
- B. Volatile Storage
- C. Shared and exclusive locks
- D. Entity Relationship model
- E. Entity Integrity

 <b>SURESH GYAN VIHAR UNIVERSITY</b> <small>Accredited by NAAC with 'A' Grade</small>		<b>INTERNAL ASSIGNMENT - 2</b>
<b>Course</b>	<b>MCA</b>	<b>Database Management System</b>
<b>Semester</b>	<b>2</b>	
<b>Total Marks:</b>	<b>15</b>	

**Q.1. Write answers for any two questions from below. (5 marks each – Word limit – 500)**

- A. Explain the need of NoSQL ?.
- B. Are weak entities necessary ? What is the distinction between weak entity set and strong entity set ?.
- C. What is functional dependency? Explain inference rules.

**Q.2. Write short notes on all of the following topics (1 mark each - Word limit - 100)**

- A. Candidate Key
- B. Foreign Key
- C. Define Transaction
- D. Database
- E. System crash