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| Academic Year | Sem | Class | Section | Subject & Code | Duration | Maximum Marks |
| 2021-22 | V | B.E 2/4  Sec-1,2 & 3 | Database Management Systems | PC 403CS | 10MIN | 5 |

Roll Number: ……………………………………….. Name: ……………………………………..

1 ) A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a set of one or more attributes that taken collectively, allow to identify [CO1] [BL1]

uniquely a tuple in a relation.

2) In the Architecture of a database system external level is [CO1][BL1,2]

a) Physical level b) View level c) logical level d) Conceptual level

3) An entity set that does not have sufficient attributes to form a primary is termed as \_\_\_\_\_\_\_\_\_\_\_\_\_.[CO2][BL3]

4) An abstraction through which of the following the relationships are treated as higher-level entities.[CO2][BL2]

A) Generalization B) Aggregation C) Specialization D) Decomposition

5) If α is a set of attributes and β is subset of alpha when **α -> β** holds is [CO3][BL4]

A) Reflexivity rule B) Augmentation rule C) Transitivity rule D) Union rule

6) A Function that has no partial Functional dependencies is in \_\_\_\_\_\_\_\_\_\_\_\_\_\_ form.[CO2][BL2,3]

7) The statement in SQL which allows changing the definition of a table is [CO5][BL2]

a) Alter b)Update c) Create d) Select

8) Which of the following provides commands for defining and modifying relation schemas [CO5] [BL3]

1. DML B) DDL C) TCL D) DCL

9) Consider the schema R(S,T,U,V) and the dependencies S-> T, T->U, U-> V, V->s. Let R={R1,R2} such that R1∩ R2= ɸ Then the decomposition is: [CO2][BL2,3]

a) Not in 2NF b) In 2NF but not in 3 NF c) In 3NF but not in 2NF d) In 2NF and 3NF

10) The process of analyzing relation schema to achieve minimal redundancy and insertion or updation anomalies is classified as:

a) Normalization of data b) De normalization of data c) Isolation of data d) Denomination of data.