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| **P.V.P Siddhartha Institute of Technology** | | | | | | | | | | | **Signature of Invigilator with date:** | | **Marks Obtained:** | |
| **Department of Computer Science and Engineering** | | | | | | | | | | |
| **Course: B. Tech** | | **Year: III** | | | | **Semester: I** | | **Objective: I** | | |
| **Regulation: PVP20** | | **Maximum Marks:10Marks** | | | | | | | | **Session: F.N** |
| **A.Y:2023-24** | | **Date:29/08/23** | | | | | **Duration: 20 min** | | | |
| **Course Code:20CS3502** | | | | **Course Name: Database Management Systems** | | | | | | | | | | |
| **Register Number:** | | | | | | | | | **Name:** | | | | | |
| **Answer all the Questions. Each Question carries ½ Mark 20×½ M=10M** | | | | | | | | | | | | | | |
| **S.No** | **Question** | | | | | | | | | | | **CO** | **Level** | **Answer** |
| **1.** | **In a hierarchical model, records are organized as** | | | | | | | | | | | **CO1** | **L2** |  |
| **A) Graph** | | **B) List** | | | | **C) Links** | | | **D) Tree** | |
| **2.** | **The number of entities in a relationship is called as its** | | | | | | | | | | | **CO1** | **L2** |  |
| **A) Cardinality** | | **B) Degree** | | | | **C) Tuples** | | | **D) external schema.** | |
| **3.** | **The collection of information stored in a database at a particular moment is called as** | | | | | | | | | | | **CO1** | **L2** |  |
| **A) Schema** | | **B) instance** | | | | **C) Data domain** | | | **D) Entity** | |
| **4.** | **DBMS is a collection of …. that enables user to create and maintain a database** | | | | | | | | | | | **CO1** | **L2** |  |
| **A) Keys** | | **B) Translators** | | | | **C) Program** | | | **D) Language Activity** | |
| **5.** | **An on-line commercial site such as Amazon.com is an example of a** | | | | | | | | | | | **CO1** | **L2** |  |
| **A) single-user database application** | | **B) multiuser database application** | | | | **C) e-commerce database application** | | | **D) data mining database application** | |
| **6.** | **User views are included as part of which schema?** | | | | | | | | | | | **CO1** | **L2** |  |
| **A) Internal** | | **B) Conceptual** | | | | **C) External** | | | **D) None** | |
| **7.** | **Which of the following is a not a Data Model?** | | | | | | | | | | | **CO1** | **L2** |  |
| **A) Entity-Relationship model** | | **B) Relational model** | | | | **C) Network model** | | | **D) Waterfall model** | |
| **8.** | **The three-schema architecture components include all, but not:** | | | | | | | | | | | **CO1** | **L2** |  |
| **A) internal schema** | | **B) conceptual schema.** | | | | **C) program schema** | | | **D External Schema** | |
| **9.** | **The attribute Address could be structured as a attribute consisting of DoorNo,StreetNo,StreetName . This type of attribute is called** | | | | | | | | | | | **CO1** | **L2** |  |
| **A) Simple attribute** | | | | **B) Composite attribute** | | **C) Multivalued attribute** | | | **D) Derived attribute** | |
| **10.** | **Which of the following can be a derived attribute?** | | | | | | | | | | | **CO1** | **L2** |  |
| **A) Phone \_number** | | **B) Name** | | | | **C) Age** | | | **D) All of the mentioned** | |
| **11.** | **Which of the following indicates the maximum number of entities that can be involved in a relationship?** | | | | | | | | | | | **CO1** | **L2** |  |
| **A) cardinality ratio** | | **B) participation constraint** | | | | **C) ERD** | | | **D) Entity Count** | |
| **12.** | **An entity set whose existence is dependent on some other entity set is known as** | | | | | | | | | | | **CO1** | **L2** |  |
| **A) Strong entity**  **set** | | **B) Variant set** | | | | **C) Weak entity set** | | | **D) Variable set** | |
| **13.** | **Course(course\_id, sec\_id, semester)**  **Here the course\_id, sec\_id and semester are \_\_\_ and course is a \_\_\_** | | | | | | | | | | | **CO1** | **L2** |  |
| **A) Relations, Attribute** | | **B) Attributes, Relation** | | | | **C) Tuple, Relation** | | | **D) Tuple, Attributes** | |
| **14.** | **\_\_\_\_\_\_\_\_\_\_\_ constraint is used to disallow duplicates** | | | | | | | | | | | **CO1** | **L2** |  |
| **A) Foreign key** | | **B) Primary key** | | | | **C)Check** | | | **D) Not null** | |
| **15.** | **………. command can be used to modify a column in a table** | | | | | | | | | | | **CO1** | **L2** |  |
| **A) ALTER** | | **B) UPDATE** | | | | **C) SET** | | | **D) CREATE** | |
| **16.** | **To display rows in the table in a particular order ……………… is used** | | | | | | | | | | | **CO1** | **L2** |  |
| **A) NO DUPLICATE** | | **B) ORDER BY** | | | | **C) DISTINCT** | | | **D) DELETE** | |
| **17.** | **\_\_\_\_\_\_\_\_\_\_\_\_ is preferred method for enforcing data integrity** | | | | | | | | | | | **CO1** | **L2** |  |
| **A) Constraints** | | **B) Stored Procedure** | | | | **C) Triggers** | | | **D) Cursors** | |
| **18.** | **For each attribute of a relation, there is a set of permitted values, called the \_\_\_\_\_\_\_\_ of that attribute.** | | | | | | | | | | | **CO1** | **L2** |  |
| **A) Domain** | | **B) Relation** | | | | **C) Set** | | | **D) Schema** | |
| **19.** | **Which one of the following is used to define the structure of the relation, deleting relations and relating schemas?** | | | | | | | | | | | **CO1** | **L2** |  |
| **A) DML** | | **B) DDL** | | | | **C) Query** | | | **D) Relational Schema** | |
| **20.** | **DEPT (DeptNo, Name, Location, ManagerId) In this table which column form the primary key?** | | | | | | | | | | | **CO1** | **L2** |  |
| **A) Name** | | **B) DeptNo** | | | | **C) Location** | | | **D) ManagerId** | |