

Code: A-I223116-M

I SEMESTER EXAM - 2024-25

2 x 190

Std.: XI

Sub: Information Technology

Marks: 50

Date:

Roll No.: _____

Time: 2½ hrs

Q.1 Fill in the blanks. [05]

- 1) The GUI for Ubuntu 18.04 is called _____.
- 2) A table consists of information which is stored under different headings, called as _____.
- 3) _____ protocol automatically assigns internet addresses to computers and users.
- 4) In a _____ relationship, one record in a table is associated with one and only one record in another table.
- 5) DDL stands for _____.

Q.2 State whether True or False. [05]

- 1) A group of 8 bits is called a nibble.
- 2) The group of one or more columns used to uniquely identify each row of a relation is called its foreign key.
- 3) Machine Learning is the scientific study of algorithms and statistical models that computer systems use to effectively perform a specific task without using explicit instructions relying on patterns and inference.
- 4) D in the acronym ACID, properties of transaction stands for Durability.
- 5) DBMS reduces application development and maintenance time.

Q.3 Multiple Choice one answer correct. [10]

- 1) The _____ unit is the back bone of computers responsible for coordinating tasks between all components of a computer system,
a) ALU b) CPU c) Control d) Input.
- 2) C in the acronym ACID, properties of transaction stands for _____.
a) Consistency b) Consist c) Content d) Contents
- 3) In a RDBMS table, a _____ is composed of fields and contains all the data about one particular person, company, or item in a database.
a) Table b) Record c) Field d) Key
- 4) The category of software which releases code in public domain for anyone to use is _____.
a) Open Source b) Closed Source c) Open course d) Closed course
- 5) A computer which has a resource and it serves to another computer is a _____ computer.
a) Client b) Server c) Peer-to-Peer d) Client-Server
- 6) _____ software is a program or group of programs designed for end users.
a) System b) Software c) Operating system d) Application,
- 7) _____ is a computer language for storing, manipulating and retrieving data stored in a relational database.
a) SQL b) DDL c) DCL d) DML
- 8) _____ ensures that only authorised users are allowed to access the database and their identity is authenticated using a username and password,
a) Data Integrity b) Backup and Recovery
c) Data Security d) Database
- 9) 1 TeraByte=1024 _____.
a) nibble b) byte c) bit d) gigabyte
- 10) Multiple copies of the same file lead to data _____.
a) Reducing b) Redundancy c) Recovery d) Recover

Q.4 Multiple Choice two answers correct.**[10]**

- 1) _____ and _____ commands fall under the category of DCL.
a) SELECT b) REVOKE c) DELETE d) GRANT
- 2) _____ and _____ are examples of popular DBMS.
a) PostgreSQL b) Java c) Oracle d) C++
- 3) _____ and _____ are Categories of SQL Command.
a) DML b) Linux c) DOS d) DCL
- 4) _____ and _____ are protocols for receiving email messages.
a) IMAP b) POPS c) SMTP d) HTTP
- 5) _____ and _____ are the most widely used types of network architecture.
a) Peer to Peer b) LAN c) Client/server d) MAN

Q.5 Multiple Choice three answers correct :**[6]**

- 1) _____, _____ and _____ commands fall under the category of DDL.
a) Create Database b) Create Table c) Alter Table d) Insert Into
e) Select
- 2) _____, _____, _____ are examples for protocols for communication,
a) FTP b) ICR c) HTTP d) IoT
e) IMAP

Q.6 Match the Following :**[4]**

Set A	Set B
1. Cat	A. text editor.
2. FTP	B. Concatenate and print contents of file.
3. Nano	C. Linux distribution.
4. Ubuntu	D. Transfer files on Internet.

Q.7 Answer Briefly (any 5)**[10]**

- 1) What are the data types in DBMS?
- 2) What is Green Computing?
- 3) Explain any two advantages of DBMS.
- 4) What is the difference between data and information?
- 5) Write a note on careers in IT.
- 6) Write 4 benefits of learning GNU/LINUX.
- 7) Write a note on DML.
- 8) Write a note on Blockchain.