

Code: A-I223116-A

I SEMESTER EXAM - 2024-25

2 x 205

Std.: XI

Sub: Information Technology

Marks: 50

Date: _____

Roll No.: _____

Time: _____

Note:

1. Do not rewrite the questions.
2. Write question number, option number and answer for Q.3 To Q.5.
3. Selection of two answers for Q.4 and three answers for Q.5 is mandatory.

Q.1 Fill in the blanks

[05]

- 1) _____ are physical components of a computer system which we can see, touch and feel.
- 2) DBMS stands for _____.
- 3) _____ software is a program or group of programs designed for end users.
- 4) The group of one or more columns used to uniquely identify each row of a relation is called its _____ key.
- 5) 1TeraByte=1024 _____.

Q.2 True/False

[05]

- 1) Without data information cannot be processed.
- 2) A Protocol is a set of rules that governs the communication between computers on a network.
- 3) The users need to backup data periodically because this is not taken care of by the DBMS.
- 4) Blockchain refers to data sets that are too large or complex for traditional data processing application software to adequately deal with.
- 5) Two columns can have the same name in a RDBMS Table.

Q.3 Multiple Choice Single Answer

[10]

- 1) OCR is an example of _____ unit in a computer system.
a. Memory b. Input c. Output d. Control
- 2) I in the acronym ACID, properties of transaction stands for _____.
a. Industry b. Information c. Isolation d. Integrity
- 3) The content of _____ type of primary memory is decided by the computer manufacturer and permanently stored at the time of manufacturing.
a. PRAM b. RAM c. SSD d. ROM
- 4) Record is also called as a _____.
a. Field b. Schema c. Tuple d. Column
- 5) HTTP stands for _____.
a. HyperText Transfer Protocol b. HyperTransferText Protocol
c. HyperText Transmission Protocol d. HyperText Transform Protocol
- 6) _____ category of SQL command consists of statements or commands used for managing data within tables.
a. DDL b. DCL c. DML d. DTL
- 7) _____ protocol automatically assigns internet addresses to computers and users,
a. DHCP b. DNS c. FTP d. IMAP
- 8) _____ is a computer language for storing, manipulating and retrieving data stored in a relational database,
a. Structured Query Language b. Unstructured Query Language
c. Structured Quality Language d. Unstructured Question Language

- 9) _____ is the intelligence demonstrated by machines in contrast to the natural intelligence displayed by the humans and other animals,
a. AI b. Cloud Computing c. Big Data d. Data Analytics
- 10) Full form of DCL is _____.
a. Data Communication Language b. Data Control Language
c. Data Command Language d. Data Calculation Language

Q.4 Multiple Choice Multiple Answers (2 options compulsory)**[10]**

- 1) _____ and _____ are protocols for receiving email messages.
a. SMTP b. POP3 c. IRC d. IMAP e. TCP/IP
- 2) _____ and _____ commands fall under the category of DCL.
a. Grant b. Select c. Update d. Revoke e. Delete
- 3) _____ and _____ are examples of open source operating systems for personal computer,
a. Unix b. Windows c. Mac OS d. Chrome OS e. Linux
- 4) In DBMS, under the class text there are two data types _____ & _____.
a. Date b. Time c. Char d. Varchar e. INT
- 5) Types of primary memory are _____ and _____.
a. PRAM b. RAM c. SSD d. ROM e. Pen Drive

Q.5 Multiple Choice Multiple Answers (3 options compulsory)**[06]**

- 1) _____, _____, _____ are examples for protocols for communication,
a. IRC b. DNS c. KRC d. SND e. IMC f. FTP
- 2) _____, _____ and _____ are Categories of SQL Command.
a. DCL b. DDL c. DTL d. DML e. DBL f. DFL

Q.6 Match the following**[04]**

- | | |
|-------------------|------------------|
| 1) Table Row | a) Field |
| 2) Barcode Reader | b) Record |
| 3) Table column | c) Output device |
| 4) Speaker | d) Input device |

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

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