

Code: A-I337115-A

I Semester Exam – 2022-23

2 x 210

Std.: XI

Sub: INFORMATION TECHNOLOGY (97)

Marks: 50

Date: 18/11/2022

Roll No.: _____

Time: 2½ Hrs.

Q 1. Fill in the blanks.

[5]

1. Record is also called as a _____.
2. IoT stands for _____.
3. The group of one or more columns used to uniquely identify each row of a relation is called its _____ key.
4. _____ Linux command Prints the list of directories in the current one.
5. _____ memory is called non-volatile memory.

Q 2. True/False

[5]

1. Letter I in the acronym ACID, properties of transaction stands for Integrity.
2. The Open Source software is the category of software which releases code in public domain for anyone to use.
3. Multiple copies of the same file lead to data Redundancy.
4. Two columns can have the same name in a RDBMS Table.
5. The content of RAM memory is decided by the computer manufacturer and permanently stored at the time of manufacturing.

Q 3. Multiple choice single answer

[10]

1. _____ is Apple's closed source operating system for iPhone, iPod, iPad etc.
a. Mac OS b. iOS c. Chrome OS d. Linux
2. Data _____ means that the data is accurate and consistent in the database.
a. Integrity b. Transaction c. Redundancy d. Durability
3. _____ is the process of examining data set in order to draw conclusions about the information they contain increasingly with the help of specialized systems and software.
a. Data Analytics b. Artificial Intelligence
c. Machine Learning d. Big Data
4. _____ is collection of interrelated data which helps in efficient retrieval, inserting and deleting of data,
a. Table b. Database c. Field d. Record
5. IMAP stands for _____.
a. Intranet Message Access Protocol c. Internet Message Access Protocol
b. Internet Mac Address Protocol d. Instant Message Access Protocol
6. _____ ensures that only authorised users are allowed to access the database and their identity is authenticated using a username and password.
a. Atomicity b. Consistency c. Durability d. Data Security
7. In DBMS, _____ data type holds a variable length string. The maximum size is specified in parenthesis.
a. INT b. Char c. Varchar d. Decimal
8. The category of software used by the proprietary and has a closely guarded code is _____ software.
a. Open Source b. Application c. System d. Closed Source
9. _____ defines how the data is connected to each other and how they are processed and stored inside the system.
a. Data Model b. Relationship c. Transaction d. Isolation

P.T.O

10. If a computer has a resource which is served to another computer is a _____ computer,
 a. Client b. Switch c. Node d. Server

Q 4. Multiple choice multiple answers (2 Correct)

(10)

1. _____ and _____ are examples of popular DBMS,
 a. MS Word b. PostgreSQL c. MS Excel d. MySQL e. Windows
2. _____ and _____ are the two main ways to interact with the computer
 a. GUI b. SUI c. MUI d. SLI e. CLI
3. In DBMS, _____ and _____ are the two data types under the class number.
 a. Decimal b. Varchar c. Char d. Boolean e. Int
4. _____ and _____ are the most widely used types of network architecture.
 a. Hybrid b. Client Server c. Hierarchical d. Peer-to-peer e. Network
5. _____ and _____ commands fall under the category of DCL.
 a. Select b. Alter c. Grant d. Revoke e. Update

Q 5. Multiple choice multiple answers (3 Correct)

(6)

1. _____, _____ and _____ are Categories of SQL Command.
 a. DDL b. DRL c. DBL d. DGL
 e. DML f. DCL
2. _____, _____ and _____ are examples for input devices.
 a. Speaker b. Hard Disk c. MICR d. Barcode Reader
 e. OCR f. Printer

Q 6. Match the following

[4]

- | A | B |
|---------------------------------|---------------|
| 1. Open Source Operating System | a. TCP/IP |
| 2. DDL Command | b. Oracle |
| 3. DBMS | c. Linux |
| 4. Internet Protocol | d. Drop Table |

Q7. Answer briefly. (Any 5)

[10]

1. Write a note on relationships in database.
2. Define Data and Information.
3. Explain any Four data types in DBMS.
4. Explain Application and System software.
5. Explain any Four applications of DBMS
6. Explain any Four Linux commands.
7. Explain any two properties of transaction.
8. Explain any Four protocols used in internet.