

Q.1 Fill In the blanks: (5)

- 1) _____ can be any character, text, word, number or raw facts.
- 2) _____ of CPU performs arithmetic and logical operations.
- 3) _____ Types of primary memory is volatile.
- 4) _____ is collection, of interrelated data which helps in efficient retrieval, inserting and deleting of data.
- 5) _____ which is processed data helps in decision making.

Q.2 True / False : (5)

- 1) AI studies intelligent agents that act to maximize success.
- 2) The home directory stores system configuration files.
- 3) Using SQL you can create databases and tables and also insert records.
- 4) CREATE DATABASE and CREATE TABLE are DDL commands.
- 5) SELECT, INSERT, UPDATE and DELETE are DEL commands.

Q.3 Multiple Choice Single Answer : (10)

- 1) On Ubuntu, 'bash' is a
 - a) Command processor that runs in a text window.
 - b) Graphics Library
 - c) Printing subsystem
 - d) File system
- 2) Which command prints the path of the current directory?
 - a) whoami
 - b) pwd
 - c) ls
 - d) cd
- 3) Which command lists directory contents?
 - a) pwd
 - b) whoami
 - c) ls
 - d) nano
- 4) Which command creates a new empty file without opening an editor?
 - a) cat
 - b) nano
 - c) echo
 - d) touch
- 5) Which command concatenates and displays file contents?
 - a) cat
 - b) ls
 - c) pwd
 - d) echo
- 6) Which DBMS application stores and secures "transactions" for purchases?
 - a) Credit Card Transactions
 - b) Weather
 - c) Photo Gallery
 - d) Text Editor
- 7) Which SQL category would you use to change who can SELECT from a table?
 - a) DCL
 - b) DDL
 - c) DML
 - d) None
- 8) Which is TRUE regarding "table" in relational model?
 - a) It's the only allowed object
 - b) It consists of rows and columns
 - c) It cannot store numeric values
 - d) It has no headings
- 9) Which option best identifies "processed data that supports decisions"?
 - a) Information
 - b) Raw data
 - c) MEta file
 - d) Byte code
- 10) Which command set manages the data content inside tables?
 - a) DML
 - b) DDL
 - c) DCL
 - d) OCL

Q.4 Multiple Choice Multiple Answers (2 correct)**(10)**

- 1) Which commands create and view a text file?
a) touch b) lscpu c) ipconfig d) mkdir
e) cat
- 2) Which memory relations are correct?
a) 1 KB = 1000 bytes b) 1 byte = 8 bits
c) 1 nibble = 4 bits d) 1 MB = 1000 KB
d) 1 TB = 1000 GB
- 3) Which are optical storage?
a) CD b) DVD c) SSD d) Magnetic tape
e) Pen drive
- 4) Which DBMS features allow multiple users to edit data at the same time?
a) Concurrent access b) Remote access c) Manual logging d) Data redundancy
e) File duplication
- 5) Which SQL keywords define a new database?
a) CREATE b) DATABASE c) NEWDB d) SCHEMA
e) BUILD

Q.5 Multiple Choice Multiple Answers : (3 correct)**(6)**

- 1) Which three are "email-related" protocols from the list?
a) SMTP b) IMAP c) POP3 d) DNS
e) DHCP f) HTTP g) IRC
- 2) Which DBMS advantages help organizations adapt quickly?
a) Scalability b) Flexibility c) Centralized updates
d) Duplication e) Manual work f) Redundancy g) Guessing

Q.6 Match the following :**(4)****'A'****'B'**

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|---------------------|-------------------------------------|
| 1) Input Unit | a) Central Processing Unit |
| 2) CPU | b) Accepts data/commands from users |
| 3) VARCHAR stores | c) Fractional part (and integers) |
| 4) DECIMAL supports | d) Variable-length strings |

Q.7 Answer briefly (any 5 out of 8)**(10)****Write a notion DDL.**

- 1) Write a note on DML
 - 2) Write a note on DCL
 - 3) Give advantages and limitations of Peer-to-Peer networking.
 - 4) Write 4 benefits of learning GNU/LINUX.
 - 5) What is Green Computing?
 - 6) What is Artificial Intelligence and Machine Learning?
 - 7) Explain work done by CPU in the mother board.
 - 8) Explain concept of WAN.
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