

* 'sweat' EXPEL moisture out of the pores.
SPEAK: Producing sounds (e.g. say, tell, and sing). For example,

PART-II
UNIT I

3. What do you understand by computer network? Explain the different data transmission modes with example. 10

OR

Explain three most popular LAN topologies namely Bus, Ring and Star. Discuss the merits and demerits of each of these topologies. 10

UNIT II

4. (a) What is Modulation? Explain AM, FM and PM with waveforms. 5
(b) Explain in detail channel allocation problem. 5

OR

Explain the Ethernet MAC sub layer with a neat diagram. 10

UNIT III

5. Difference between Distance Vector Routing Protocol and Link State Routing Protocol. 10

OR

Explain Network, presentation and session layer in detail. 10

UNIT IV

6. What is TCP/IP Model? Compare it with OSI model? 10

OR

4+3+3

Explain the following:

- (i) DNS
- (ii) FTP
- (iii) Telnet

• 'cry' EXPEL tears and produce
• 'sweat' EXPEL moisture out of the pores of the skin
SPEAK: Producing sounds (e.g. say, tell, and sing). For example.

PART-II
UNIT I

3. Write a Login Form Code with PHP and my SQL.
OR

Explain Open Source Technology.

UNIT II

4. Define Functions. Explain Calling a Function and Returning Value from Function.
OR

Write a program to print a table of no. 5 in PHP.

UNIT III

5. What is PHP Error Handling? Explain the Exception Handling in brief.
OR

Explain Cookies Handling and session management.

UNIT IV

6. Write the PHP Program to find the Sum of first n numbers.
OR

What do you mean by Client Side and Server Side Scripting.

SPEAK. Producing sounds (e.g. say, tell, and sing). For example,

PART-II

UNIT I

3. Explain the Implementation of Atomicity, Durability and Isolation of a Database Transaction. 10
What is Concurrency Control? Explain Time Stamp based protocols. 10

OR

UNIT II

4. What is Database System Architecture? Difference between Client – Server and Centralized Architecture. 10
What do you mean by Object – Based Database? Define Complex Data types in Object – based Database. 10

OR

UNIT III

5. What is Distributed Database System? Explain Distributed Data Storage. 10
What is Architecture of Parallel Database? Difference between inter query and intral query parallelism. 10

OR

UNIT IV

6. What is PL/SQL? Describe data types in PL/SQL. 10
Define following for PL/SQL :- 10
1) Control Statements
2) Static SQL
3) Dynamic SQL

weep' EXPEL tears (discharge...
EXPEL tears and produce sound from mouth...
of the skin.

BCA um

PART-II

UNIT I

3. What is the difference between Dynamic and Static Data Structures? Explain their merits and demerits. 10

OR

Explain Record Structure with example. What is array of structure? 5+5

UNIT II

4. What is a Tree? Explain the various types of trees. 5+5

OR

Explain the process of deleting a. nodes from a binary tree using example. 10

UNIT III

5. What is a Graph? Differentiate between Graph and Tree and also explain when a graph becomes a tree. 10

OR

Write short notes on any two of the following. 5+5

- (a) Merge Sort
- (b) Insertion Sort
- (c) Binary Search

UNIT IV

6. Explain Quick Sort and Heap Sort techniques with example. 10

OR

Explain Encapsulation? How this is different from Abstraction? 3+7
