



CS/BCA/SEM-1/BCA-102/2009-10



iii) The system that communicates with all other systems in its environment is called

- a) open system
- b) dynamic system
- c) cybernetic system
- d) adaptive system.

iv) An overall conceptual or logical view of the relationships between the data in database is called

- a) schema
- b) table
- c) views
- d) stored procedure.

v) "Mycin" is related to

- a) neural network
- b) expert system
- c) OLTP
- d) transaction processing system.



vi) DDL, DML, DCL are associated with

- a) operating system
- b) database operations
- c) programming language
- d) transaction processing.

vii) What is the nature of management process ?

- a) time bound
- b) continuous
- c) disjointed
- d) procedural.

viii) Manpower planning is also known as

- a) organizational planning
- b) human resource planning
- c) job planning
- d) manpower inventory planning.

CS/BCA/SEM-1/BCA-102/2009-10



- ix) 'Knowledge Engineering' ( KE ) refers to the building, maintaining and development of
- a) knowledge-based systems
  - b) internet
  - c) biometric systems
  - d) digital systems.
- x) Data mart is a
- a) place where data are stored
  - b) place where outputs are stored
  - c) place where input are stored
  - d) user interface.

**GROUP – B**  
**( Short Answer Type Questions )**

Answer any *three* of the following. 3 × 5 = 15

2. Briefly describe Data Warehousing. 5
3. What is SDLC and what are its various parts ? 5
4. a) Distinguish between data and information. 3
- b) What is planning ? 2



5. a) What is IS strategy ? 2  
b) Briefly describe 'Business Process Reengineering'. 3
6. What is AI ? What is the difference between declarative & procedural knowledge ? 2 + 3

**GROUP – C**

**( Long Answer Type Questions )**

Answer any *three* of the following. 3 × 15 = 45

7. a) Define a system. Define an Information System ( IS ). Define Information Technology ( IT ). How is Information System different from Information Technology. 2 + 2 + 2 + 3  
b) Briefly describe the Information System Framework with Diagrammatic representation. 6
8. a) How can you define a “Dynamic System” ? Briefly focus on different components of a dynamic system with example. 6  
b) What is a “Cybernetic System” ? How is this type of system different from a dynamic system ? Focus on the different components of a cybernetic system with example. 2 + 2 + 2

CS/BCA/SEM-1/BCA-102/2009-10



c) What is an “Open System” and “Adaptive System” ? Give examples. 3

9. a) Explain Distributed Database Processing & compare it with Centralized Processing.

b) What are the advantage of a DBMS in a business information system ?

c) What is the difference between Exception Reports & Demand Reports ? Explain with an example.

d) What is Information Pyramid ? 4 + 4 + 3 + 4

10. a) What is ERP architecture ?

b) What are the measures required for ERP implementation ?

c) Briefly explain the term centralized transaction processing & client server computing.

d) What is knowledge based system & expert system. 3 + 4 + 4 + 4



11. Write short notes on any *three* of the following : 3 × 5

- a) Executive support system
  - b) Difference between MIS & TPS
  - c) End-User computing
  - d) Data warehouse
  - e) Advantage & Disadvantage of virtual office
  - f) CRM
  - g) Documentation
  - h) E-business.
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