

**PARUL UNIVERSITY**  
**FACULTY OF IT & COMPUTER SCIENCE**  
**BCA/ B.Sc.(IT) / IMCA(AY\_IV) Summer 2022 – 23 Examination**

**Semester: 4****Date: 23/03/2023****Subject Code: (05101387/05301201/05102387)****Time: 10.30am to 1.00pm****Subject Name: Business Information System****Total Marks: 60****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

**Q.1 Answer the followings.****A. Answer / Define the following in short. (05)**

1. What is a sole proprietorship?
2. Definition partnership.
- 3 Describe the business file.
4. What is data storage file?
5. What is direct access file organization?

**B. Multiple choice type questions/ Give the sentence true or false. (Each of 01 marks) (10)**

1. Which of the following is not a level of information?
  - a. Strategic level
  - b. Operational level
  - c. Tactical level
  - d. Technical level
2. Which of the following is not a category of information?
  - a. Financial information
  - b. Marketing information
  - c. Human resources information
  - d. Operational information
3. Which of the following is not a factor that determines the quality of information?
  - a. Timeliness
  - b. Accuracy
  - c. Completeness
  - d. Quantity
4. Which of the following is not a type of data model?
  - a. Entity-Relationship model
  - b. Relational model
  - c. Object-oriented model
  - d. Data collection model
5. What is the user's view of a computerized database?
  - a. Physical view
  - b. Logical view
  - c. Conceptual view
  - d. External view
6. Which of the following is not a common computer file extension?
  - a. .docx
  - b. .pdf
  - c. .html
  - d. .exe
7. Characteristics of perfect information are relevant, accurate, \_\_\_\_\_ & understandable.
  - a. Incomplete
  - b. Complete
  - c. Correct
  - d. Useful

8. \_\_\_\_\_ plays the role of decision-maker and a planner.
- Executive
  - Manager
  - Officer
  - Assistant
9. A system is said to be \_\_\_\_\_ when it does not interact with the environment in which it exists.
- Open
  - Close
  - Computer
  - Deterministic
10. What is normalization in database design?
- The process of converting unstructured data into structured data
  - The process of removing redundant data and ensuring data consistency in a database
  - The process of selecting the appropriate database management system for a given application
  - The process of indexing data in a database for faster retrieval

**Q.2 Answer the followings. (3 Marks Questions.) (Any Five) (15)**

- What is direct access file organization? Describe its advantages and disadvantages.
- What is a database management system (DBMS)? What are its main functions?
- What is data modeling? Describe the main components of a data model.
- What is hypertext? How is it used in business processes?
- What are the main steps in evaluating information used in business processes?
- What is a computer file? How is it different from a database?

**Q.3 Answer the following. (5 Marks Questions)(Any three) (15)**

- What are the different modes of transmission in business organizations? Describe their advantages and disadvantages.
- What is decision making? Describe the different types of decisions that can be made in a business organization.
- What are the different types of information systems in a business organization? Describe their functions.
- List and explain users of BIS.

**Q.4 Answer the following in detail.**

- A.** What is an Inventory Management (INMANS) system? Describe its design and features. **(05)**
- B.(1)** List and Explain forms of Business Organization. **(05)**
- B.(2)** Describe Payroll System (PAYSY)A Payroll System (PAYSY) **(05)**
- OR
- B.(1)** How can an organization benefit from implementing an inventory management system, an accounts payable system, and a payroll system? **(05)**
- B.(2)** Explain Inventory Management System? **(05)**