# B.Tech DEGREE EXAMINATION, NOVEMBER 2023

Seventh Semester

## 18MBO412T - MANAGEMENT INFORMATION SYSTEMS

*(For the candidates admitted during the academic year 2020 - 2021 & 2021 - 2022)*

**Note:**
i. **Part - A** should be answered in OMR sheet within first 40 minutes and OMR sheet should be handed over to hall invigilator at the end of 40th minute.
ii. **Part - B** and **Part - C** should be answered in answer booklet.

**Time: 3 Hours**                                              **Max. Marks: 100**

### PART - A (20 × 1 = 20 Marks)
### Answer all Questions

| | Marks | BL | CO |
|---|---|---|---|

1. The abbreviation for CPU is _____    [Marks 1, BL 1, CO 2]
   (A) Critical Path Usage          (B) Central Processing Unit
   (C) Computer Processing Unit     (D) Calculations Per Unit

2. When Input is processed , we get _____    [Marks 1, BL 1, CO 3]
   (A) Output          (B) Input
   (C) Data            (D) Print

3. A failure in synchronization leads to the breakdown of the _____.    [Marks 1, BL 1, CO 4]
   (A) system          (B) Machine
   (C) work flow       (D) Cluster

4. The performance of the system can be measured by _____.    [Marks 1, BL 1, CO 5]
   (A) efficiency                    (B) effectiveness
   (C) efficiency and effectiveness  (D) productivity

5. The effectiveness is the measure for deciding whether a system provides the _____    [Marks 1, BL 1, CO 1]
   (A) performance     (B) efficiency
   (C) Desired output  (D) control

6. The systems developed in 70s and 80s were designed for the _____ computer systems    [Marks 1, BL 1, CO 1]
   (A) Main Frame      (B) Mini Computers
   (C) Micro Computers (D) Personal Computers

7. In data processing system the focus is on _____.    [Marks 1, BL 1, CO 2]
   (A) Development     (B) Computing
   (C) Programming     (D) Design

8. In Transaction Processing System, the focus is on _____.    [Marks 1, BL 1, CO 3]
   (A) Data Processing     (B) Application Development
   (C) Transaction Execution  (D) Algorithm Development

9. Success of any business depends on the _____ of support the MIS gives the management.    [Marks 1, BL 1, CO 4]
   (A) Quality                (B) Quantity
   (C) Either Quality or Quantity  (D) Neither Quality nor Quantity

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10. The three phases of Herbert Simon model of decision making are intelligence , design and _____ .     1    1    5
    (A) System                              (B) Choice
    (C) Rules                               (D) Algorithm.

11. Middleware is a _____ .     1    1    1
    (A) Software and Hardware.              (B) Software
    (C) Hardware                            (D) Database

12. Many End User developed systems can be created much more rapidly than with the _____     1    1    2

    (A) traditional system life cycle       (B) prototype
    (C) structured analysis and design      (D) structured design

13. virus refers to _____     1    1    3
    (A) vital information resource under siege       (B) very important resource under siege
    (C) very important ram under siege       (D) very initial resource under siege.

14.     1    1    4
    The Decision Support System basically helps the information system in the _____ phase.
    (A) intelligence                        (B) design
    (C) choice                              (D) design and choice.

15. The Decision Support System helps in making _____ -.     1    1    5
    (A) strategy                            (B) decision
    (C) plan                                (D) policy

16. The _____ is made for the development of the system.     1    1    1

    (A) design                              (B) analysis
    (C) schedule                            (D) MRP

17. Intelligence well supported by knowledge and reasoning abilities becomes an     1    1    2
    (A) Business Intelligence.              (B) Artificial Intelligence.
    (C) Intelligence Quotation             (D) Expert System

18. Artificial intelligence is a software technique applied to _____ data.     1    1    3
    (A) alpha numeric                       (B) numeric
    (C) non-numeric                         (D) digital

19. The Knowledge based Expert System considers _____ as the base.     1    1    4
    (A) information                         (B) Knowledge
    (C) source                              (D) data

20. A node in a semantic network represents _____ .     1    1    5
    (A) attribute                           (B) an entity
    (C) data structure                      (D) data dictionary

## PART - B (5 × 4 = 20 Marks)
Answer **any 5** Questions

| | Marks | BL | CO |
|---|---|---|---|
| 21. examine Data and Information with examples. | 4 | 3 | 1 |
| 22. explain "Decision Support Systems" . | 4 | 3 | 2 |
| 23. Explain "Data redundancy"? how can you eliminate it ? | 4 | 3 | 3 |
| 24. examine "Security" in information systems. | 4 | 3 | 4 |

25. Discuss "Malware" and "Price transparency".     4   3   5

26. Discuss "Business Intelligence" ?     4   3   4

27. Summarize "Online Analytical Processing".     4   4   3

## PART - C (5 × 12 = 60 Marks)
### Answer all Questions

| | | Marks | BL | CO |
|---|---|---|---|---|

28. (a) Analyze the Expert Systems in detail.     12   4   5

                              **(OR)**

    (b) Illustrate the Transaction Process Systems.

29. (a) Define IT infrastructure and explain its various services to an organization.     12   4   4

                              **(OR)**

    (b) What are the major capabilities of DBMS and why is a relational DBMS so powerful? Explain.

30. (a) Discuss in detail the various types of E-commerce.     12   3   3

                              **(OR)**

    (b) Explain in detail "the decision making process" with a diagram.

31. (a) What are the core activities in the systems development process? Explain in detail.     12   3   2

                              **(OR)**

    (b) Explain with a diagram on how "business intelligence and analytics" help a firm to make sound decisions.

32. (a) Analyze the various methodologies for modeling and designing systems?     12   4   1

                              **(OR)**

    (b) Discuss in detail about various "Computer Virus.

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