

RVK/KW/13/3149/3574

Faculty of Engineering & Technology  
Seventh Semester B.E. (Mechanical Engg.)/Seventh  
Semester B.E.P.T. (Mechanical) Examination  
MANAGEMENT INFORMATION SYSTEM

Elective-II

Sections—A &amp; B

Time : Three Hours]

[Maximum Marks : 80

## INSTRUCTIONS TO CANDIDATES

- (1) All questions carry as marks indicated.
- (2) Answer **THREE** questions from Section A and **THREE** questions from Section B.
- (3) Assume suitable data wherever necessary.
- (4) Illustrate your answers wherever necessary with the help of neat sketches.

## SECTION—A

1. (a) What do you understand by the term MIS ? How does it assists managers in their day to day functioning ? 6
- (b) Explain various applications of MIS in Mechanical Engineering field. 7

MHB—42611

1

A96

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2. (a) Explain system control with an example. 6
- (b) Discuss different types of information gathering tools with advantages and disadvantages. 7
3. (a) What do you understand by cost benefit analysis ? Explain classification of cost. 6
- (b) What is feasibility study ? Why it is done ? State the procedure for feasibility study. 7
4. (a) Explain various stages in system design. 7
- (b) Write short note on form design procedure. 6
5. Write short notes on any **Three** :—
  - (a) Data flow diagram
  - (b) Database design
  - (c) System life cycle
  - (d) System analyst. 14

## SECTION—B

6. (a) Explain system maintenance and security. 6
- (b) What is purpose of system testing ? Explain its necessity. 7
7. (a) What is Decision support system ? Explain its necessity. 6
- (b) What is AI and KBES ? How they are useful in DSS ? 7

MHB—42611

2

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8. Describe management information system for inventory control. Explain each component of the system. Also design database for above system. 13
9. (a) Explain the process of CRM in manufacturing industries. 6
- (b) Explain deterministic system. 7
10. Write short notes on any **THREE** :— 14
- (i) Supply chain management
  - (ii) System evaluation
  - (iii) Data warehousing
  - (iv) Tools of DSS.

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