

B.Tech IV Year I Semester (R20) Regular Examinations December/January 2024

MANAGEMENT SCIENCE

(Common to IT, AI&DS, CSE (AI), CSE (AI&ML), CSE(DS), CSE (IOT), CSE, CE, EEE, FT, ME & ECE)

Time: 3 hours

Max. Marks: 70

PART – A
(Compulsory Question)

1 Answer the following: (10 X 02 = 20 Marks)

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| (a) Write the functions of management. | 2M |
| (b) Differentiate between formal and informal organizations. | 2M |
| (c) What are the objectives of plant layout? | 2M |
| (d) What are the stages of Product life Cycle (PLC)? | 2M |
| (e) State the importance of HRM. | 2M |
| (f) Differentiate between Recruitment and Selection. | 2M |
| (g) Write the elements of corporate planning process. | 2M |
| (h) How is PERT different from CPM? | 2M |
| (i) Define Performance Management. | 2M |
| (j) What are the inputs of MRP? | 2M |

PART – B

(Answer all the questions: 05 X 10 = 50 Marks)

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| 2 (a) Define management. Explain its characteristics and importance. | 5M |
| (b) What is committee organisation? Explain the advantages and disadvantages of Committee organisation. | 5M |

OR

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| 3 “Line organization is also called as military organization structure” Justify with its advantages, limitations & application with neat sketch. | 10M |
| 4 (a) What do you mean by work study? Explain the basic procedure involved in method study and work measurement. | 5M |
| (b) A sample of 100 automobile bearing is inspected daily for continuously 10 days. Draw the p chart with the control limits and interpret the results using the following data. | 5M |

Date :	1	2	3	4	5	6	7	8	9	10
Defectives :	18	12	6	15	2	20	14	10	8	8

OR

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|---|-----|
| 5 (a) Discuss different methods of Production. | 5M |
| (b) Describe the marketing mix with its basic elements. | 5M |
| 6 State the principles of job evaluation and also enumerate the various steps involved in job evaluation procedure. | 10M |

OR

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|---|----|
| 7 (a) Discuss various On-the-job & Of-the-job training methods. | 5M |
| (b) Describe the various methods of wage payments. | 5M |

Contd. in Page 2

- 8 (a) How do you formulate and implement strategy? Explain. 5M
 (b) Explain the rules for drawing network. 5M

OR

- 9 Consider the following schedule of activities and related information for construction of new plant. 10M

Activity	1-2	2-3	3-6	2-4	1-5	5-6	4-6	5-7	7-8	6-8
Expected time in months	4	2	3	6	2	5	9	7	10	1

- (i) Construct the network diagram,
 (ii) Find out the critical path,
 (iii) Expected time to build the plant.

- 10 Explain how JIT, MRP and Six Sigma changed the production environment. 10M

OR

- 11 Explain the seven principles of Michale Hammer relating to Re-Engineering. 10M
