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APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

B.Tech Degree S6 (R,S) / S6 (WP) Examination April 2025 (2019 Scheme)

Course Code: HUT310

Course Name: MANAGEMENT FOR ENGINEERS

Max. Marks: 100

Duration: 3 Hours

PART A

Answer all questions, each carries 3 marks.

Marks

- | | | |
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| 1 | Discuss about the interpersonal role of a manager. | (3) |
| 2 | Describe Contingency approach in Management. | (3) |
| 3 | Explain the term "Span of Control" in management. What are the factors affecting it. | (3) |
| 4 | Discuss about management Policy. List the factors influencing policies. | (3) |
| 5 | List any six measures to improve productivity. | (3) |
| 6 | Define Minimax criterion. In which type of decision making situation it is applicable? | (3) |
| 7 | What are the limitations of Performance Evaluation Review Technique? | (3) |
| 8 | Which project management technique is activity oriented? What are its advantages? | (3) |
| 9 | Discuss the importance of sales forecasting in management. | (3) |
| 10 | What is a patent? Discuss its importance. | (3) |

PART B

Answer one question from each module, each carries 14 marks.

Module I

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| 11 | a) F. W Taylor contributed some principles of scientific management. Explain it briefly. | (10) |
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- b) Define Systems approach in Management. (4)

OR

- 12 a) Describe any one of the Modern Organisation theories. (10)
b) What are the drawbacks of Classical management theory? (4)

Module II

- 13 a) Discuss any one theory of motivation with its significance in management. (10)
b) What is directing? What are the principles of direction? (4)

OR

- 14 a) Describe different Organisational structures and its features. (10)
b) What are the qualities of a good leader? (4)

Module III

- 15 a) Explain the various models of decision making under uncertainty. (10)
b) A company that processes fruits is able to produce 300 cases of mangoes in 30 minutes with four workers. What is the labour productivity? (4)

OR

- 16 a) Explain the methods of decision making under risk. (10)
b) Determine the multifactor productivity of a company with daily expenses labour cost Rs.1000, Material cost Rs 520 and overhead cost Rs2000 and the daily production is 2100 units. (4)

Module IV

- 17 a) Describe the steps involved in PERT(Performance Evaluation Review technique). (10)
b) Draw a network diagram for the project given below: (4)
(i) A is the first activity of the project.
(ii) B & C can be done concurrently and both must follow A.
(iii) B must precede D.
(iv) E cannot begin until C is completed.

(v)F is dependent on the completion of both D and E.

(vi) F is the last operation of the project.

OR

- 18 a) Describe the steps involved in Critical path method. (9)
- b) Explain the concept of optimistic time, pessimistic time and most likely time. (5)
- What is a dummy activity? Draw a network diagram involving a dummy activity.

Module V

- 19 a) Discuss the role of financial management in a business and the type of budgets involved in a business. (10)
- b) What are the different types of interviews conducted for selection process? (4)

OR

- 20 a) Discuss market segmentation and its classification. (10)
- b) Explain briefly the three levels of operational management. (4)
