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Code No: 157BT

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech IV Year I Semester Examinations, February - 2025

FUNDAMENTALS OF MANAGEMENT FOR ENGINEERS

(Electrical and Electronics Engineering)

Time: 3 Hours

Max. Marks: 75

Note: i) Question paper consists of Part A, Part B.

ii) Part A is compulsory, which carries 25 marks. In Part A, Answer all questions.

iii) In Part B, Answer any one question from each unit. Each question carries 10 marks and may have a, b as sub questions.

PART – A

(25 Marks)

- 1.a) Is managing a science or an art? Could the same explanation apply to engineering?[2]
- b) Explain the four kinds of managerial skills required for administrators. [3]
- c) Explain what you understand by mission or purpose with a suitable example. [2]
- d) What is managerial planning and why is it important? [3]
- e) Why do most small companies use functionally organized departments? [2]
- f) List out the questions to be answered by a firm in identifying job requirements. [3]
- g) Explain the characteristics of Free-Rein leadership style. [2]
- h) Distinguish between motivation and satisfaction taking a suitable example. [3]
- i) Explain what you understand by the managerial function of controlling. [2]
- j) Mention three examples each of revenue and capital standards and explain them briefly. [3]

PART – B

(50 Marks)

- 2.a) Why do management analysis and practice require a systems approach?
- b) Do managers operate in an open or a closed system? Explain. [5+5]

OR

- 3.a) Distinguish between administration and management and brief on behavioral approach of management.
- b) Explain the goals of managers in a modern organization. [6+4]

- 4.a) Explain what you mean by the terms “rationality” and “bounded rationality” in decision making.
- b) Explain the steps in problem solving and decision making. [5+5]

OR

- 5.a) Examine the importance of creativity and innovation in managerial work.
- b) Examine the role of Group Decision Making in organizations and comment upon its limitations. [5+5]

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6.a) Why has there been a conflict between line and staff in many companies? Can this conflict be removed?

b) Explain what is organization culture and the steps an organization should take to promote an appropriate organization culture. [5+5]

OR

7.a) What do you mean by recruitment? Explain briefly, the steps in the Recruitment process.

b) Comment on the recruitment practices followed in India. [5+5]

8.a) What is contingency theory of leadership?

b) Explain the Fiedler Model of Leadership and examine its major implications. [5+5]

OR

9.a) Explain in detail the Maslow's theory of needs.

b) Why has Maslow's theory been criticized?

c) Explain the relationship between motivation, performance and engagement. [3+3+4]

10.a) Discuss the major steps in the basic control process.

b) Explain the use of budget as a managerial control device clearly highlighting the concept and purpose of budgeting. [5+5]

OR

11.a) Explain the different strategies used in Control.

b) What are the essentials of effective control systems? How will you design an effective control system? [5+5]

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