

Seat
No.

Set P

**S.Y. (B.Tech.) (Electronics & Computer Engineering) (Sem - I) (New)
(NEP CBCS) Examination: October/November – 2025
Industrial and Quality Management (OE-01D)**

Day & Date: Monday, 22-12-2025
Time: 03:00 PM To 06:00 PM

Max. Marks: 70

- Instructions:** 1) Q. No. 1 is compulsory. It should be solved in the first 30 minutes in Answer Book Page no 03 (Starting page of the Answer Book). Each question carries one mark.
2) Don't forget to Mention question paper set (P/Q/R/S) on top on page.
3) Figures to the right indicates full marks.
4) Assume suitable data if necessary and mention it clearly.

MCQ/Objective Type Questions

Duration: 30 Minutes

Marks: 14

Q.1 Choose the correct answers from the given options. 14

- 1) Which of the following best defines the primary purpose of management?
 - a) To create rules for employees to follow
 - b) To maintain financial records
 - c) To achieve organizational goals efficiently and effectively
 - d) To monitor employee behavior
- 2) Which function of management involves setting objectives and determining a course of action to achieve them?

a) Organizing	b) Controlling
c) Planning	d) Leading
- 3) Which of the following best represents the concept of social responsibility in management?
 - a) Maximizing shareholder wealth at any cost
 - b) Avoiding all legal penalties
 - c) Balancing profit-making with obligations to stakeholders and society
 - d) Focusing only on employee welfare
- 4) What is the most important reason for managers to follow ethical principles in decision-making?
 - a) To avoid law suits
 - b) To improve public image
 - c) To build trust and long-term sustainability
 - d) To increase profits quickly
- 5) Which is the first step in the planning process?

a) Developing alternatives	b) Evaluating alternatives
c) Setting objectives	d) Selecting the best alternative

- 6) What is the primary purpose of organizing in management?
- a) To control employee behavior
 - b) To define roles, responsibilities, and allocate resources
 - c) To create strict rules for employees
 - d) To plan financial statements
- 7) What is the main purpose of employee training and development?
- a) To penalize poor performance
 - b) To reduce the number of staff
 - c) To delay promotions
 - d) To enhance employee skills and support career growth
- 8) According to Maslow's Hierarchy of Needs, which of the following is the highest level of need?
- a) Safety needs
 - b) Social needs
 - c) Esteem needs
 - d) Self-actualization
- 9) The "Carrot and Stick" approach to motivation is based on _____.
- a) Building self-esteem through empowerment
 - b) Providing both rewards and punishments to influence behavior
 - c) Offering training and development opportunities
 - d) Recognizing only financial incentives
- 10) Which of the following best defines "quality" in the context of management?
- a) Producing the highest quantity of products
 - b) Conforming to standards and satisfying customer needs
 - c) Meeting only internal business goals
 - d) Offering products at the lowest possible price
- 11) Which of the following is not typically considered an element of quality?
- a) Performance
 - b) Reliability
 - c) Advertising
 - d) Durability
- 12) Pareto Analysis is based on the principle that _____.
- a) All causes contribute equally to problems
 - b) 20% of the causes account for 80% of the problems
 - c) Quality problems are random and unpredictable
 - d) Only external factors affect product quality
- 13) The main goal of Six Sigma is to _____.
- a) Increase the speed of production
 - b) Eliminate all human involvement in processes
 - c) Reduce process variation and defects to near zero
 - d) Ensure all products are handmade
- 14) What is the primary purpose of Statistical Process Control (SPC)?
- a) To eliminate all manual processes
 - b) To ensure marketing strategies are effective
 - c) To monitor and control a process through statistical methods
 - d) To increase financial profitability only

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Day & Date: Monday, 22-12-2025
Time: 03:00 PM To 06:00 PM

Max. Marks: 56

- Instructions:** 1) Solve any two questions from both sections.
2) Figures to the right indicate full marks.
3) Assume suitable data if necessary and mention it clearly.

SECTION – I

- Q.2** a) Describe the key functions of managers. 07
b) What is the Systems Approach to management? Explain its main characteristics. 07
- Q.3** a) What is planning? Explain steps in planning with advantages and disadvantages of planning. 07
b) Define Human Resource Management (HRM). What are its main functions? 07
- Q.4** a) Explain the 'Carrot and Stick' approach to motivation. What are its advantages and limitations? 07
b) What is communication? Discuss types of communication by taking suitable example. 07

SECTION – II

- Q.5** a) What are the key elements of quality in a product or service? 07
b) Explain Benchmarking with advantages and disadvantages. 07
- Q.6** a) Explain the following as applied to quality control: 07
i) Appraisal costs
ii) Prevention costs
iii) Failure costs
iv) Optimum costs
b) List seven quality control tools. Explain with neat sketches Pareto analysis, Scatter diagram and cause and effect diagram. 07
- Q.7** a) Explain the difference between control charts for variables and control charts for attributes. 07
b) Explain actual and ideal OC curve for a sampling plan. Also explain all concepts such as producer's risk, consumer's risk, AQL, LTPD, AOQL, etc. 07