

Total No. of Questions :6]

SEAT No. :

**P27**

**Oct./TE/Insem. - 141**

[Total No. of Pages : 2

**T. E. (Electrical)**

**INDUSTRIAL AND TECHNOLOGY MANAGEMENT**

**(2015 Course) (Semester - I) (311121)**

*Time : 1 Hour]*

*[Max. Marks : 30*

*Instructions to the candidates:*

- 1) Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Figure to the right side indicate full marks.
- 4) Assume suitable data if necessary.

**Q1) a)** State law of demand and law of supply. Explain methods of demand Forecasting in detail. [6]

b) Define the term management? Explain any three functions of management. [4]

OR

**Q2) a)** Write short note on requirements of Public limited & Private limited company. [6]

b) With reference to Business Organization explain line organization and functional organization in detail. [4]

**Q3) a)** Explain the Concept of Industrial Management. What is need and scope of industrial management. [6]

b) List various types of technologies in detail. Explain any three types with suitable example. [4]

OR

**Q4) a)** Explain basic concept of technology management. Explain technology management at various levels. [6]

b) Write short note on Ethics in Technology Management. [4]

**P.T.O.**

**Q5) a)** Write a short note on Six Sigma tool, how Six Sigma can be used in industrial Manufacturing to improve product quality? [6]

**b)** Define Quality management. Write short note on Total Quality Management. [4]

OR

**Q6) a)** Explain :

i) Ishikawa Diagram with example [3]

ii) Quality Circles [3]

**b)** What is meaning of Kaizen. How 5S is used in implementation of Kaizen [4]



Total No. of Questions : 08]

SEAT No. :

**P2505**

[Total No. of Pages : 2

**[5253] - 531**

**T.E. (Electrical)**

**Industrial & Technology Management  
(2015 Pattern)**

*Time : 2½ Hours]*

*[Max. Marks : 70*

**Instructions to the candidates:**

- 1) Answer Q1 or Q2, Q3 or Q4, Q5 or Q6, Q7 or Q8.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Figures to the right side indicate full marks.
- 4) Assume Suitable data if necessary.

- Q1)** a) Define Management. What are the functions of management? [7]  
b) State the critical factors in technology management. Explain these factors. [6]  
c) Explain in brief following: [7]  
i) TQM  
ii) SIX SIGMA

OR

- Q2)** a) Differentiate between Partnership (Act 1934) & LLP (Limited Liability Partnership), (Act 2008). [7]  
b) Explain in brief following : [7]  
i) Industrial and Technology Management  
ii) Ethics in technology management  
c) What is Quality Management? State goalpost view of quality. [6]
- Q3)** a) Explain in brief following : [10]  
i) Profit Maximization  
ii) Wealth Maximization  
iii) Return Maximization  
b) What is Monopoly and explain Monopolistic competition. [8]

OR

**P.T.O.**

- Q4) a)** Explain in brief following : [10]  
i) Market survey  
ii) Market research  
iii) Online Marketing  
**b)** Write short note on Sources of Finance. [8]

- Q5) a)** What is Human Resource Planning? Explain process of HRP. [6]  
**b)** Explain types of training and development methods. [6]  
**c)** State the objectives and types of performance appraisal. [4]

OR

- Q6) a)** Differentiate between Recruitment & Selection. [6]  
**b)** State group dynamics theories. What are different types of conflicts? [6]  
**c)** Describe Mc Clelland's achievement theory of motivation. [4]

- Q7) a)** Explain the following: [10]  
i) Design  
ii) Patent  
iii) Copyrights  
**b)** Define Entrepreneur. Explain the different traits of Entrepreneur. [6]

OR

- Q8) a)** State Government policies and incentives for SSI. [12]  
**b)** State the criteria for securing Patents. [4]



Total No. of Questions : 6]

SEAT No. :

**P5681**

[Total No. of Pages : 2

**TE/INSEM./OCT. - 127**

**T.E. (Electrical)**

**INDUSTRIAL AND TECHNOLOGY MANAGEMENT**

**(2015 Pattern) (Semester - I)**

*Time : 1 Hour]*

*[Max. Marks : 30*

*Instructions to the candidates:*

- 1) Answer Q. 1 or Q. 2, Q. 3 or Q. 4, Q. 5 or Q. 6.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Figure to the right indicate full marks.
- 4) Assume suitable data if necessary.

**Q1) a)** What are the types of Business Organization? Explain line, line and staff organization in detail. **[5]**

b) Explain the features of LLP. **[5]**

OR

**Q2) a)** How to form Cooperative Society? **[5]**

b) What are the methods of demand Forecasting? **[5]**

**Q3) a)** What is the Importance of Technology Management for National Economy? **[5]**

b) Write a short note on management and its relation with society. **[5]**

OR

**Q4) a)** What is the Importance of Ethics in Technology Management? **[6]**

b) Write a short note on critical factors in technology management. **[4]**

**P.T.O.**

- Q5) a)** Write a short note on Ishikawa Diagram. [6]
- b)** What is TQM? Explain in detail. [4]

OR

- Q6) a)** Explain in detail Pareto Analysis. [5]
- b)** Explain in detail Six Sigma. [5]



Total No. of Questions : 6]

SEAT No. :

P5081

[Total No. of Pages : 2

**T.E./Insem. - 630**

**T.E. (Electrical) (Semester - I)**

**INDUSTRIAL AND TECHNOLOGY MANAGEMENT  
(2015 Pattern)**

*Time : 1 Hour]*

*[Max. Marks : 30*

*Instructions to the candidates:*

- 1) *Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6.*
- 2) *Neat diagrams must be drawn wherever necessary.*
- 3) *Figures to the right side indicate full marks.*
- 4) *Assume suitable data if necessary.*

**Q1) a)** Explain the types of Business Ownership- **[6]**

- i) Partnership Firm.
- ii) Joint Stock Company.
- iii) Public Sector Undertaking.

b) What are the methods of demand Forecasting? **[4]**

OR

**Q2) a)** Differentiate between administration & management. **[6]**

b) What are the types of Business Organization? Explain line, line and staff organization in detail. **[4]**

**Q3) a)** Write a short note on Technology Management at various levels. **[6]**

b) What is the Importance of Ethics in Technology Management? **[4]**

OR

**Q4) a)** Give the Classification of Technology and explain each in detail. **[6]**

b) What is the Importance of Technology Management for National Economy? **[4]**

**P.T.O.**

- Q5)** a) Write short note on quality system standard ISO 14001 : 2004. [6]  
b) Write a short note on Ishikawa Diagram. [4]

OR

- Q6)** a) Write short note on:  
i) Pokka Yoke. [3]  
ii) Kaizen. [3]  
b) Explain in detail Pareto Analysis. [4]





Total No. of Questions :8]

SEAT No. :

**P3615**

**[5560]-570**

[Total No. of Pages :2

**T. E. (Electrical)**

**INDUSTRIAL AND TECHNOLOGY MANAGEMENT**

**(2015 Pattern) (311121)**

**Time : 2½ Hours]**

**[Max. Marks : 70**

**Instructions to the candidates:**

- 1) Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or Q.8.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Figures to the right side indicate full marks.
- 4) Assume suitable data if necessary.

- Q1)** a) Explain Public Sector Undertaking (PSU) in detail. [6]  
b) Write a short note on the development in Industrial management. [7]  
c) Explain ISO 14001:2004 in details. [7]

OR

- Q2)** a) What are six sigma? Explain in detail. [6]  
b) What are the ethics in Technology management. [7]  
c) What is Limited Liability Partnership? Explain LLP act 2008. [7]

- Q3)** a) What are the characteristics of marketing management. [5]  
b) Explain online marketing in details. [5]  
c) What are the methods of costing? Explain in short all methods. [6]

OR

- Q4)** a) Explain oligopoly in details. [5]  
b) What is financial management? Explain in details. [5]  
c) What is monopolistic competition? Explain. [6]

**P.T.O.**

- Q5)** a) What are the different types of group dynamics? [5]  
b) Explain the different qualities for good leadership. [6]  
c) What is HR planning? Explain in detail. [6]

OR

- Q6)** a) What is Recruitment? Explain Recruitment process in detail. [5]  
b) Write a short note on [6]  
i) Norming ii) Storming  
iii) Forming iv) Performing  
v) Adjourning  
c) Explain Human Resource Management in details. [6]

- Q7)** a) Define Entrepreneurship. Explain the concept and trails of Entrepreneurship. [5]  
b) What are the importance and limitations of rational decision making. [6]  
c) Write patent format & structure in details. [6]

OR

- Q8)** a) What happened if the incentives for small business development is not given? [5]  
b) What are the different forms of IPR? Explain. [6]  
c) Explain decision making under certainty, uncertainty & Risk. [6]



Total No. of Questions : 8]

SEAT No. :

P2946

[Total No. of Pages : 2

[5669]-535

T.E. (Electrical)

INDUSTRIAL AND TECHNOLOGY MANAGEMENT

(2015 Pattern)

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) Answer Q1 or Q2, Q3 or Q4, Q5 or Q6, Q7 or Q8.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Figures to the right side indicate full marks.
- 4) Assume suitable data if necessary.

- Q1)** a) What are the methods of demand forecasting? Explain any one in detail. [6]  
b) Define Technology. How it is classified? Explain any one technology in detail. [7]  
c) Define quality management. What is the effect of quality management. [7]

OR

- Q2)** a) Explain the scope in Industrial management in detail. [6]  
b) What is Pareto analysis? Explain. [7]  
c) What is economics? Define economics. Explain economical demand. [7]
- Q3)** a) What is the difference between market survey and market research. [5]  
b) State the characteristics of marketing management. [5]  
c) What are the different types of cost. [6]

OR

- Q4)** a) What are the types of marketing management? Explain in detail. [5]  
b) Explain monopolistic competition in detail. [5]  
c) What is online marketing? Comment in detail. [6]

P.T.O.

- Q5)** a) What are the different theories of work motivation? Explain Maslow Hierarchy of needs theory. [5]  
b) What are the different stages of group dynamics. Explain. [6]  
c) What is Recruitment? Explain recruitment process in details. [6]

OR

- Q6)** a) Write a short note on [5]  
i) Recruitment ii) Selection  
iii) Training & Development iv) Performance management  
b) Explain Herzberg's two factor theory in detail. [6]  
c) What are the qualities of good leadership. [6]
- Q7)** a) Define Entrepreneurship. Explain the concept and traits of entrepreneurship. [5]  
b) What are the qualities of Entrepreneur. [6]  
c) Why the incentives for small business development is given? Explain. [6]

OR

- Q8)** a) What are the different forms of IPR. Explain any one in detail. [5]  
b) Explain decision making under certainty, uncertainty and risk. [6]  
c) What is trademark? Explain in detail. [6]



Total No. of Questions : 8]

SEAT No. :

P3371

[Total No. of Pages : 2

[5353]-565

TE. (Electrical)) (End Semester)

INDUSTRIAL & TECHNOLOGY MANAGEMENT

(2015 Pattern)

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) Answer Q.1 or Q.2, Q.3 or Q4, Q.5 or Q.6, Q.7 or Q8.
- 2) figures to the right side indicate full marks.
- 3) Draw neat diagrams wherever necessary.
- 4) Assume suitable data, if necessary.

**Q1)** a) What are the different types of organization ? Explain functional organization. [6]

b) Explain the concept of supply and elasticity of supply. [7]

c) Explain Environmental Management System Standard in details. [7]

OR

**Q2)** a) Explain Management and its relation with society. [6]

b) Explain Pokka Yoke (Mistake Proofing) quality circles. [7]

c) Write a short note on Ethics of Technology Management. [7]

**Q3)** a) Explain in details Marketing and selling. [6]

b) Explain online marketing. Write its advantages and disadvantages. [10]

OR

**Q4)** a) What is Financial Management? Explain in details. [6]

b) What are the methods of costing. Explain in detail. [10]

P.T.O.

**Q5) a)** Explain Group dynamics in details. What are the types of group dynamics? Explain. [10]

b) Explain Herzberg's two factor theory in details. [7]

OR

**Q6) a)** Write a short note on HR Planning and Recruitment. [10]

b) What are the qualities of Good Leadership? Explain in details. [7]

**Q7) a)** State the criteria for securing Patents. What are the guidelines of the common IPR policy on patents? [10]

b) What are the Importance and limitations of rational decision making? [7]

OR

**Q8) a)** What is the Intellectual Property Rights (IPR)? Explain all its types. [10]

b) State the Patent Laws, Trade mark and Copy Right Laws. [7]



Total No. of Questions : 8]

SEAT No. :

P1740

[Total No. of Pages : 2

[5460] - 570

**T.E. (Electrical) (Semester - I)**  
**Industrial and Technology Management**  
**(2015 Pattern)**

*Time : 2½ Hours]*

*[Max. Marks :70*

*Instructions to the candidates:*

- 1) *Ans. Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or Q.8.*
- 2) *Neat diagrams must be drawn wherever necessary.*
- 3) *Figures to the right indicate full marks.*
- 4) *Assume Suitable data, if necessary.*

- Q1)** a) Define the term management. Explain any Five functions of management. [6]
- b) Explain the Concept of Industrial Management. Explain scope and any two applications of industrial management. [7]
- c) Write a short note on Six Sigma tool, how Six Sigma DMAIC can be used in industrial manufacturing to improve product quality ? [7]

OR

- Q2)** a) State law of demand and law of supply. Explain methods of demand Forecasting in detail. [6]
- b) Enlist the classification of various technologies. Explain how technology is managed at various levels. [7]
- c) What is meaning of Kaizen. How 5S is used in implementation of Kaizen [7]

- Q3)** a) Explain the concept of Perfect Competition and Monopolistic competition. [8]
- b) What is cost? Explain any three methods of costing in detail. [8]

OR

**P.T.O.**

- Q4)** a) Explain the terms - [8]
- i) Price
  - ii) Capital
  - iii) Debit and Credit
  - iv) Books of Account
- b) Write short Note on Online Marketing. Enlist its four Benefits. [8]

- Q5)** a) Define Motivation. With neat diagram showing various needs, Explain Maslow's Hierarchy of Needs theory in detail. [8]
- b) Define and explain the concept of recruitment. What are the steps of Selection process? [9]

OR

- Q6)** a) What is Group Dynamics? Explain the stages of group dynamics in detail. [8]
- b) Enlist the theories of work Motivation. Explain Herzberg's Two factor Theory in detail [9]
- Q7)** a) What is meant by Patent? Explain Criteria for securing Patents. [4]
- b) Explain the concept of entrepreneurship? What are the qualities of an entrepreneur? [4]
- c) Explain any three limitations of Rational Decision Making? Explain the concept of Decision making under Uncertainty, Certainty and risk. [9]

OR

- Q8)** a) Write short note on Copyright [4]
- b) Write short note on Trademark [4]
- c) Explain the "Government policies and Incentives" for Small Business Development. [9]

