

Total No. of Questions : 8]

SEAT No. :

P4328

[Total No. of Pages : 2

[4760] - 198

M.E. (MECHANICAL) (CADM&E) (Semester - II)

MANAGEMENT OF TECHNOLOGY

(2012 Pattern)

Time :3 Hours]

[Max. Marks :100

Instructions to the candidates:

- 1) *Answer any Three questions from Each Section.*
- 2) *Neat diagrams must be drawn wherever necessary.*
- 3) *Figures to the right side indicate full marks.*
- 4) *Use of Calculator is allowed.*
- 5) *Assume Suitable data if necessary*

SECTION - I

- Q1)** a) Discuss Significance of Technology Management. [8]
b) Discuss in detail the Technology Cycle. [8]
- Q2)** a) Discuss Human dimensions of Technology and concepts of the entrepreneur. [8]
b) Explain Technology Forecasting Approaches. [8]
- Q3)** a) Discuss the Technology Performance Parameters. [8]
b) Discuss Integration of Technology Strategy and Business Strategy for success. [8]
- Q4)** Write Short Note on ANY Three of the following: [18]
a) Holistic Model of Management of Technology
b) Elements and formulation of Technology Strategy
c) Classification of Technology
d) S-Curve of Technology Forecasting

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SECTION -II

- Q5)** a) Discuss issues in Technology Transfer in Public and Private Enterprises. [8]
b) Discuss the challenges in commercializing Research work. [8]
- Q6)** a) Discuss the concepts of Invention and Innovation with suitable case studies. [8]
b) Discuss any one Model of Technology Transfer. [8]
- Q7)** a) Explain Analytical Hierarchical Process (AHP) applied to Machine Tools. [8]
b) Discuss Technology Transfer in the context of New Product Development. [8]
- Q8)** Write Short Note on ANY THREE of the following: [18]
a) Government Schemes for Innovation
b) Classification of Research and Development
c) National Innovation System (NIS)
d) Success and failure factors in Technology Transfer

