

MANAGEMENT PROGRAMME

Term-End Examination

December, 2010

02551

MS-94 : TECHNOLOGY MANAGEMENT

Time : 3 hours

Maximum Marks : 100

(Weightage 70%)

Note : Answer any five questions. All questions carry equal marks.

1. (a) Differentiate between invention and innovation. Give one example for each. Discuss the dimensions of technology management. 10
- (b) Discuss technology planning and its role in Socio - Economic planning. 10
2. (a) Explain incremental innovations, radical innovations and new technological systems with the help of production function diagram. 10
- (b) Explain Technology Forecasting and innovation chain. In what way does technology forecasting influence technology innovation chain ? 10
3. (a) Explain Technology Strategy and its importance at corporate level. 10
- (b) What is Technology Transfer ? Discuss the role of technology transfer and its key factors as applicable to an enterprise. 10

4. (a) What are the methods of payment for a technology ? Discuss briefly the merits and demerits of different methods of pricing a technology. 10
- (b) Explain the management of technology absorption particularly in relation to projects, skills, facilities user's involvement. 10
5. (a) What is meant by Technology Evaluation (TE) ? Discuss the parameters that should be examined while doing TE for a Company. 10
- (b) Explain the role of Technology Champion in diffusion process. Discuss the various attributes of the innovation. 10
6. (a) What are the various sources of Technology Information ? Discuss them in brief. 10
- (b) What R & D incentives are available in developed countries ? In what way they have contributed to technology development in those countries ? 10
7. Write short notes on *any four* of the following : 4x5=20
- (a) Macro Effects of Technology Change.
- (b) Need for Technology Forecasting.
- (c) Stages in Technology Assessment Process.
- (d) Role of Foreign Collaborations related to Technology Development.
- (e) Criteria's for Evaluating R & D Projects.
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