

G 6039

M.Tech. DEGREE EXAMINATION, MAY/JUNE 2007.

Second Semester

Apparel Technology and Management

AT 1652 — TECHNOLOGY MANAGEMENT

(Regulation 2005)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Define : Technology.
2. Write the main role of corporate boards.
3. Write the any four important techniques used for fitting technology S curves to technical data.
4. Write the name of four different methods of knowledge mapping.
5. What are the needs of learning organizations?
6. Give the main sources and applications of technical knowledge for management of technology.
7. Differentiate between dominant designs and compatibility standards.
8. Differentiate between additive and replacement model change.
9. Write the main sources of scientific and technical knowledge.
10. Explain the main selection parameters of managerial instruments.

PART B — (5 × 16 = 80 marks)

- (a) Briefly explain on business architecture for technology management.

Or

- (b) Write a brief note on ten basic tenets for the management of technology.

12. (a) Explain in detail about state of the art tools for top integration.

Or

(b) Explain in detail on the process of developing an R and D strategy.

13. (a) Discuss in detail on literacy and the knowledge imperative in learning organizations.

Or

(b) Write briefly about importance of skill requirements and testing aptitude for technology managers.

14. (a) Explain in detail on the process of managing product definitions in software product development.

Or

(b) Write briefly about the product competition life cycle.

15. (a) Write a brief note on barriers to implementations of a structure for managing technology.

Or

(b) Explain briefly about various research impact assessment methods.