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Roll No.

300853(76)

APR-MAY 2022

B. E. (Eighth Semester) Examination, 2020

(New Scheme)

**(AEI, Bio Tech., Chem., Civil, CSE, Elect., EEE, EI,
ET&T, IT, Mech., Mining, Metallurgy, Mechatronics,
Prod., Automobile, Agriculture, Plasti. Engg. Branch)**

TECHNOLOGY MANAGEMENT

Time Allowed : Three hours

Maximum Marks : 80

Minimum Pass Marks : 28

Note : Attempt all questions. Part (a) from each question is compulsory which carries 2 marks. Attempt any two from parts (b), (c) and (d) of each question which carries 7 marks.

Unit-I

1. (a) Explain technology management in the light of competitive advantage. 2

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- (b) What is technological Environment? Explain with example. 7
- (c) Explain the external factors of technological environment with examples. 7
- (d) How would you prepare a technology roadmap to control the business functions? 7

Unit-II

2. (a) Explain the components of innovation. 2
- (b) How is innovation different from invention? Explain. 7
- (c) What are the different types on Innovation? Explain in details the product innovation. 7
- (d) Explain the internal forces influencing the innovation. 7

Unit-III

3. (a) What are the four stages of technology life cycle? 2
- (b) Suggest the tools to overcome from the pressure of decline phase of technology life cycle. 7

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- (c) Explain the diffusion of technology theory. 7
- (d) Write a note on the dynamics of diffusion. 7

Unit-IV

4. (a) What Technology Intelligence? 2
- (b) Explain the types of technology strategy. 7
- (c) Explain the different models of technology strategy with examples. 7
- (d) What is the process of technology intelligence? Explain. 7

Unit-V

5. (a) What Technology Transfer? 2
- (b) Explain the concept of technology acquisition. 7
- (c) What are the different types of technology transfer? Explain. 7
- (d) Explain the barriers to technology transfer. 7