

**300853(76)**

**B. E. (Eighth Semester) Examination,**

**April-May 2021**

**(New Scheme)**

**(AEI, Bio Tech., Chem., Civil, CSE, Elect., EEE, EI,  
ET&T, IT, Mech., Mining, Metallurgy, Mechatronics,  
Prod., Automobile 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. Attempt any two parts from parts (b), (c) and (d) of each question.*

**Unit-I**

I. (a) What is Technology?

2

- (b) State the types and characteristics of technology. 7
- (c) Explain the conceptual framework for MOT. 7
- (d) Explain the parameters of technological environment. 7

**Unit-II**

2. (a) What is Innovation? 2
- (b) Explain the components of innovation. 7
- (c) Discuss the types of innovation. 7
- (d) Explain invention Vs. innovation. 7

**Unit-III**

3. (a) What is S-curve? 2
- (b) Describe technology life cycle. 7
- (c) What is technology diffusion? Explain mechanism of diffusion. 7
- (d) Write short notes on : 7
- Technology Evolution

**Unit-IV**

4. (a) What is Technology Intelligence? 2
- (b) Explain Forecasting and Assessment. 7
- (c) What is technology strategy? Explain its types. 7
- (d) Discuss the models for technology strategy formulation. 7

**Unit-V**

5. (a) What is technology acquisition? 2
- (b) State and explain the types of technology transfer. 7
- (c) Give an overview of GATT. 7
- (d) Write short note on : 7
- Intellectual Property Rights