



Reg No.: _____

Name: _____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
B.Tech Degree S8 (R,S)(FT/PT/WP) Examinations April 2026 (2019 Scheme)

Course Code: MET466
Course Name: TECHNOLOGY MANAGEMENT

Max. Marks: 100

Duration: 3 Hours

PART A

Answer all questions, each carries 3 marks.

		Marks
1	Define technology management and its core objectives.	(3)
2	Identify three major challenges in managing technological innovation.	(3)
3	List out key stages in the technology development process.	(3)
4	How startups contribute to technology development.	(3)
5	List the key elements of a technology strategy.	(3)
6	What is the significance of India's Science and Technology Policy?	(3)
7	How does R&D influence product lifecycle management?	(3)
8	Differentiate between innovation and invention.	(3)
9	Give three examples of resistance to technological change in workplaces.	(3)
10	What is rationalization in technology management?	(3)

PART B

Answer any one full question from each module, each carries 14 marks.

Module I

- 11 a) Explain the concept of "disruptive technology" with an example. (7)
b) Explain how technology management enhances business competitiveness. (7)

OR

- 12 a) Explain the role R&D play in maintaining technological competitiveness. (7)
b) With an example, explain how product technology enhances customer value. (7)

Module II

- 13 a) Explain any two key alternatives for acquiring new technologies. (7)
b) Explain the characteristics of technology forecasting. (7)

OR

- 14 a) Briefly explain the Delphi method in technology forecasting. (7)
b) Explain the relationship between technology forecasting and innovation strategy. (7)

Module III

- 15 a) Explain the factors influencing the rate of technology diffusion in an industry. (7)
b) Explain the common constraints faced by firms in absorbing imported technology. (7)

OR

- 16 a) Explain the benefits of technology absorption. (7)
b) Discuss the challenges faced by Indian firms in technology absorption. (7)

Module IV

- 17 a) How does globalization impact the innovation strategies of multinational corporations? Explain with an example. (7)
b) Explain the role of government policies in promoting innovation. (7)

OR

- 18 a) Compare trademarks, copyrights, and patents in terms of their use in innovation management. (7)
b) Compare incremental innovation and radical innovation, giving real-world examples. (7)

Module V

- 19 a) Explain the main differences in how younger and older employees typically react to technological changes at work. (7)
b) Discuss the relationship between organizational structure and technology adoption. (7)

OR

- 20 a) What are the main benefits of good communication between employees when introducing new technology? Give one example. (7)
b) Discuss one case study where poor human-technology integration led to project failure. (7)
