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)

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