

Reg No.: _____

Name: _____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Eighth Semester B.Tech Degree Regular Examination June 2023 (2019 Scheme)

Course Code: MET466**Course Name: TECHNOLOGY MANAGEMENT****Duration: 3 Hours****Max. Marks: 100****PART A***Answer all questions, each carries 3 marks.*

Marks

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| 1 | Explain the importance of data privacy in technology management? | (3) |
| 2 | Enumerate the advantages of technological competition? | (3) |
| 3 | Describe the different process of technology acquisition? | (3) |
| 4 | What is meant by technology forecasting? | (3) |
| 5 | Describe the need for a technology strategy in an industry? | (3) |
| 6 | Explain different constraints in technology absorption? | (3) |
| 7 | What is meant by corporate research? | (3) |
| 8 | Distinguish between innovation and invention? | (3) |
| 9 | Explain the different human aspects to be considered in technology management? | (3) |
| 10 | What are the organizational factors in technology integration? | (3) |

PART B*Answer any one full question from each module, each carries 14 marks.***Module I**

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| 11 | a) With the aid of examples describe the influence of technology on society? | (10) |
| | b) What is Product technology & Process technology? | (4) |

OR

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| 12 | a) Discuss on the impact of technology on business? | (14) |
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Module II

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| 13 | a) Explain Delphi & quantitative methods of forecasting? | (10) |
| | b) List out any four characteristics of technology forecasting? | (4) |

OR

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| 14 | a) Explain in detail patent analysis? | (10) |
| | b) What are the different process of technology generation? | (4) |

Module III

- 15 a) What are the issues involved in the management of technology absorption and government initiatives? (8)
- b) Differentiate technology package & technology dependence? (6)

OR

- 16 a) Distinguish between technology adoption & technology diffusion? (14)

Module IV

- 17 a) Explain different types of innovation? (10)
- b) What are different stages of product life cycle in research? (4)

OR

- 18 a) Compare trademark, copyright and patent? (8)
- b) What are the organizational characteristics that facilitate innovation? (6)

Module V

- 19 a) Write down the psychological impacts on our daily life and employees in an organization due to the integration of technology? (14)

OR

- 20 a) What are the HRM issues in R&D and innovation? (7)
- b) Explain in detail Technology Assessment? (7)
