

**R17**

**Code No: 741AH**

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**MBA I Semester Examinations, January-2018**

**TECHNOLOGY MANAGEMENT**

**Time: 3hours**

**Max.Marks:75**

**Note:** This question paper contains two parts A and B.

Part A is compulsory which carries 25 marks. Answer all questions in Part A.

Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

**PART - A**

**5 × 5 Marks = 25**

- 1.a) Discuss the role of Research and Development (R&D) in developing technology strategy for Organizations. [5]
- b) Put forth your views on the “need for financial evaluation of research and development projects.” [5]
- c) Why market research is considered as crucial for development of a new product? Explain? [5]
- d) What do you understand by technological forecasting? [5]
- e) What is horizontal and vertical transfer of technology? Give a suitable example for each. [5]

**PART - B**

**5 × 10 Marks = 50**

2. What are the various factors contributing to successful technological innovation? Discuss various external and internal factors briefly. [10]  
**OR**
3. What are the various techniques for creative problem solving? Discuss any one of them detail. [10]
4. What are the various risks involved in research and development projects? How do you calculate risk in financial analysis of R&D projects? [10]  
**OR**
5. What are the different methods of evaluating any R&D project? Discuss any one method in detail. [10]
6. Discuss the importance of programme planning and control for a research and development project. [10]  
**OR**
7. Illustrate with a suitable example, how new product development can be a competitive strategy for any business organization? [10]

8. Examine the classification of technological forecasting techniques. Explain any one forecasting technique in detail. [10]

**OR**

9. Discuss your views on: "Technology cannot be considered in isolation from environmental, social, economic and political factors. All these factors can affect a company's performance and outlook. The quality of decision-making in strategic planning can be improved by information on these factors." [10]

10. Discuss different modes of technology transfer. Elaborate various pricing techniques of technology transfer. [10]

**OR**

11. Explain various types of organizations (or agencies) involved in the process of technology transfer at different stages? Discuss the role of such organizations in the process of technology transfer. [10]

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