

00433

**MANAGEMENT PROGRAMME**

**Term-End Examination**

**December, 2018**

**MS-058 : MANAGEMENT OF R&D AND  
INNOVATION**

*Time : 3 hours*

*Maximum Marks : 100*

*(Weightage : 70%)*

- 
- Note : (i) Answer any four questions.  
(ii) All questions carry equal marks.*
- 

1. (a) Explain the various measures for determining the benefits of technological innovation.  
(b) Discuss the linkage between R&D, innovation and economic development. Discuss experiences of USA and Japan in this respect.
  
2. (a) What are the essential requirements of design ? Examine the relationship between design, innovation and market.  
(b) What do you understand by technology portfolio analysis ? Explain.
  
3. (a) Discuss the various types of approaches used for R&D budgeting.  
(b) What are performance skills of R&D manager ? How are these skills related to his/her tasks and functions ?

4. (a) What do you understand by a team role ? Is it possible to differentiate team members in order of importance ?
- (b) What do you understand by an organisation structure ? How important is the coupling and coordination system in an R&D organisation ?
5. (a) Discuss the salient features of the Technology Policy of India. What have been the achievement and failure of the technology policy ?
- (b) How is technology transfer in India done from laboratory to Industry ? Describe the various steps.
6. (a) Discuss the rationale of co-operation between industry, institution and Government. Make comparative assessment of situation in India, Japan and USA.
- (b) What do you understand by the term WIPO ? Discuss the international systems for protection of IPRs.
-