

MANAGEMENT PROGRAMME

Term-End Examination

June, 2018

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

Time : 3 hours

Maximum Marks : 100

(Weightage : 70%)

Note : *Answer any four questions. All questions carry equal marks.*

1. (a) Explain the difference between the terms "design", "invention" and "innovation". Why is it said that technological innovation includes all the above activities?
(b) What is R & D? Briefly explain the various facets of R & D.
2. (a) What do you understand by technology portfolio analysis? Explain.
(b) What could be the possible barriers to creativity in an organisation? Discuss and explain how these barriers could be overcome.
3. (a) Elaborate your understanding about integration of R & D with business strategy.
(b) What could be different types of approaches used for R & D budgeting? Which approach in your opinion would be most desirable? Justify.

4. (a) Who are the major beneficiaries of R & D ? Discuss a criterion for evaluation of R & D for each of these beneficiaries.
(b) Describe in detail organisations related with R & D under the Central Government.

 5. (a) How is technology transfer in India done from laboratory to industry ? Describe the various steps.
(b) Discuss the R & D activities, major programs and objectives of the following :
 - (i) Department of Science and Technology (DST)
 - (ii) Indian Council of Medical Research (ICMR)

 6. (a) Discuss the tax incentives for technological development offered in Malaysia and Japan.
(b) What is intellectual property rights ? What are TRIPS ? Discuss major differences between provisions of Indian Laws and the norms incorporated in TRIPS agreement in respect of IPR's.
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