

BT-7/M-24

**INTELLECTUAL PROPERTY RIGHTS FOR
TECHNOLOGY DEVELOPMENT & MANAGEMENT**

Paper : HM-904-A

Time : Three Hours]

[Maximum Marks : 75

Note : Attempt *five* questions in all. Selecting at least *one* question from each unit. All questions carry equal marks.

UNIT-I

1. (a) Define each type of intellectual property (patents, designs, trademarks, and copyright) and discuss their respective scopes of protection. Provide examples to illustrate the differences between them. (10)
- (b) Analyze the importance of international cooperation on intellectual property rights. Discuss how collaboration between countries and organizations such as WIPO benefits the global intellectual property landscape? (5)
2. (a) Describe the procedure for the grant of patents, including the requirements for patentability, the patent application process, and the examination procedure. Discuss the significance of patent search and prior art analysis in the patenting process. (10)

- (b) Discuss the advantages and disadvantages of patenting under the Patent Cooperation Treaty (PCT). (5)

UNIT-II

3. Define the scope of patent rights and discuss the exclusive rights granted to patent holders. Provide examples to illustrate the types of activities covered by patent rights and the limitations of these rights. (15)
4. Explain the process of licensing and transfer of technology in the context of patent rights. Discuss the benefits of technology transfer agreements for both licensors and licensees, and highlight the key considerations involved in negotiating and drafting such agreements. (15)

UNIT-III

5. Trace the historical evolution of copyright law in India, focusing on the development of the Copyright Act, 1957. Discuss the key provisions of the Act, including the meaning of copyright, ownership of copyrights, and criteria of infringement. (15)
6. (a) Explain the concept of copyright in the context of computer programs. Discuss the challenges and opportunities associated with copyright protection for software in India. Provide examples of landmark cases related to copyright infringement in the software industry. (8)

- (b) Analyze the rights and obligations of patentees under the Patents Act, 1970. Discuss the duration of patents, considering both legal and policy considerations. (7)

UNIT-IV

7. (a) Analyze new developments in intellectual property rights (IPR) related to biological systems and computer software. Discuss the implications of emerging technologies and innovative business models on patent law and policy. (10)
- (b) Examine the issue of traditional knowledge in the context of intellectual property rights (IPR). Provide case studies to illustrate the challenges of protecting traditional knowledge and the role of IPR in preserving cultural heritage and biodiversity. (5)
8. Write notes on the following :
- (a) Define Intellectual Property (IP) and discuss its importance in the modern economy. Provide examples of different types of intellectual property rights.
- (b) Explain the concept of patentability criteria. Discuss in detail the novelty and nonobviousness requirements for obtaining a patent.
- (c) Discuss the role of trademarks in protecting brand identity and goodwill. Explain the process of trademark registration and the benefits it offers to trademark owners. (5×3=15)