

# Question Bank

## Intellectual Property Rights for Information Technology Course Code: HS410 (B. Tech) and HS600 (M. Tech)

1. What is Intellectual Property Right (IPR)?
2. What is the role of Government(s) and International Organs in protecting IPR?
3. What are the obstacles in enforcement of IPR internationally and how to overcome them?
4. Explain the different types of Intellectual Property (IP) with examples.
5. Describe the history and evolution of IPR.
6. Discuss the framework of IPR in India.
7. What are the major challenges faced in the enforcement of IPR in India?
8. Explain the role and importance of patents in IPR.
9. Discuss the significance of trademarks in business and marketing.
10. Explain the concept of copyright and its relevance.
11. What are trade secrets?
12. How are trade secrets protected under IPR laws?
13. Examine the role of geographical indications (GI) in IPR and their economic impact.
14. Analyze the TRIPS Agreement and its impact on global IPR practices.
15. Discuss the Berne Convention and its significance in the context of copyright laws.
16. Explain the Madrid Protocol and its importance for international trademark protection.
17. What is the Paris Convention and how does it affect patent rights globally?
18. Discuss the role of WIPO in global IPR governance.
19. Describe the basic concept of a patent and explain the rationale behind granting patents.
20. Differentiate between utility, design, and plant patents with examples.
21. What are the three essential conditions for patentability in most jurisdictions?
22. Outline the steps involved in the patent filing process in India.
23. Explain the Patent Cooperation Treaty (PCT) and its significance in international patent law.
24. How does the Patent Cooperation Treaty (PCT) facilitate international patent protection?
25. Discuss the concept of patent infringement.
26. How does the process of patent opposition work in India?
27. Describe the role of the Indian Patent Office in the administration of patent laws.
28. Analyze the impact of the TRIPS Agreement on India's patent regime.
29. What is compulsory licensing, and under what conditions can it be invoked according to Indian patent law?
30. Explain the concept of 'patentability search' and its importance in the patent application process.
31. Identify and differentiate between the various types of works protected by copyright.
32. What are the key conditions that must be met for a work to be eligible for copyright protection?
33. Discuss the implications of software copyright, particularly in terms of licensing.
34. Explain the concept of copyright infringement and the legal remedies available.
35. Detail the process of obtaining copyright registration in India.
36. What are moral rights in the context of copyright, and how are they protected under Indian law.
37. Discuss the role of collective management organizations (CMOs) in copyright.
38. Examine the importance of the World Intellectual Property Organization (WIPO) Copyright Treaty.
39. Define a trademark and explain its significance in commerce.
40. Distinguish between trademarks, service marks, trade dress, and collective marks.
41. What are the key conditions a sign must meet to be registered as a trademark?
42. Summarize the main provisions of trademark law in India and compare them to the trademark laws of the European Union.
43. Explain what constitutes trademark infringement and the measures available for enforcement.

44. How are non-conventional trademarks such as color, sound, and smell protected?
45. Explain how GI differs from other forms of intellectual property
46. Describe the process of registering a GI in India and the protections it affords.
47. What are the economic and cultural benefits of protecting GIs?
48. Explain the criteria that a product must meet to qualify for GI protection.
49. What challenges arise in the international recognition and protection of GIs?
50. Describe the relationship between GIs and biodiversity conservation.
51. Examine the impact of globalization on the protection of GIs
52. Define a trade secret and explain how trade secret protection differs from other intellectual property rights.
53. What are the advantages and disadvantages of protecting business information as a trade secret as opposed to other forms of intellectual property?.
54. Define industrial design and explain its significance in product development.
55. Describe the criteria for a design to qualify for industrial design protection.
56. Explain how industrial design rights interact with other forms of intellectual property.
57. Discuss the role of functionality in industrial design with examples.
58. How does the protection of industrial designs encourage innovation?
59. What are the consequences of not protecting an industrial design?
60. Examine the term of protection for industrial designs in various jurisdictions.
61. Discuss the concept of 'novelty' in industrial design, with reference to a well-known design.
62. What challenges do designers face in protecting industrial designs in the digital era?
63. Define the concept of layout designs in integrated circuits and explain their significance in the semiconductor industry.
64. Describe the criteria for a layout design to be eligible for protection under the Semiconductor Integrated Circuits Layout-Design Act.
65. Outline the process of registering a layout design for integrated circuits in India.
66. Examine the impact of emerging technologies such as AI and machine learning on the creation and protection of IC layout designs.
67. Define IPR as it applies to software development.
68. Explain the concept of Digital Rights Management (DRM) and its role in protecting software IP.
69. Discuss the differences between proprietary and open-source software from an IPR perspective.
70. How do copyright laws apply to software? Provide an example of a copyright infringement case in software.
71. What are the IPR challenges associated with Software as a Service (SaaS) models?
72. Explain the concept of patenting software algorithms
73. Describe the IPR considerations in software licensing agreements.
74. Discuss the implications of open-source licenses like GPL (General Public License) on software development and distribution.
75. Explain how data rights are protected and managed in the context of Big Data.
76. What role does IPR play in e-commerce platforms? Illustrate with examples how intellectual property is a critical asset in the e-commerce sector.
77. How do IT contracts and agreements protect software and data rights?
78. Examine the impact of Artificial Intelligence (AI) on software development from an IPR perspective.
79. Discuss the legal and ethical implications of reverse engineering in software.
80. How are the trademarks used in software and digital services?
81. Give examples of trademark issues in the tech industry.
82. Discuss on IPR enforcement becomes challenging, focusing on jurisdictional issues and data control.
83. Discuss the IPR challenges posed by Artificial Intelligence, particularly in terms of authorship and invention.
84. Explain how blockchain technology could be used to manage and protect IPR.

85. What are the IPR considerations for Internet of Things (IoT) devices and the data they generate?
86. Analyze the impact of cloud computing on software licensing and IPR.
87. Discuss the role of IPR in Big Data, focusing on the ownership and use of data sets..
88. How does cybersecurity intersect with IPR in protecting digital assets?
89. Examine the IPR implications in the development and deployment of AI algorithms, especially in machine learning.
90. What are the specific IPR challenges presented by the decentralized nature of blockchain technology?
91. How do IPR laws apply to IoT-generated data, and what are the challenges in defining ownership?
92. Outline an effective IPR strategy for a tech startup in India.
93. How can a tech startup leverage its IPR for funding purposes?
94. What are the common IPR mistakes made by tech startups in India and how can they be avoided?
95. Discuss the importance of trademark registration for tech startups in India.
96. How can tech startups protect their software innovations under Indian IPR laws?
97. Analyze the impact of IPR on scalability and expansion of tech startups in India.
98. How does the Indian government support the tech startups in IPR creation and protection?