



MANIPAL

ACADEMY of HIGHER EDUCATION

(Deemed to be University under Section 3 of the UGC Act, 1956)

MPharm –Industrial Pharmacy Specialization

MPharm Semester I – Make up End Semester Examination, Jan 2023

PMA MIP 104T – Intellectual Property Rights

Date: 23/01/2023

Duration: 3 hr.

Max. Marks: 75

Instructions: Answer ALL questions.

Answer the following		5 Q × 10 marks = 50 marks
Question		Marks
1. What is meant by Patent? Discuss three criteria for patentability. Give a brief account of inventions that are patentable and non-patentable according to Indian Patents Act 1970.		10
2. In what way prior art search or patent search is important? Explain various types of patent search.		10
3. Describe in detail various technology transfer models.		10
4. Discuss various aspects of Patent Cooperation Treaty. Analyze advantages of PCT.		10
5. Under what provisions a patent can be revoked in India? Add a note on Compulsory licensing.		10
Answer the following		5 Q × 5 marks = 25 marks
Question		Marks
6. Outline the importance of patent as a business tool.		5
7. What is complete application and provisional specification? Write a brief note on patent administration in India.		5
8. Give a concise overview of Trademarks, including collective and certificate marks.		5
9. Schematically explain patent filing process in India.		5
10. Illustrate different types of patent claims.		5