

**PARUL UNIVERSITY**  
**FACULTY OF ENGINEERING & TECHNOLOGY**  
**M.Tech. Winter 2019 – 20 Examination**

**Semester: 1****Subject Code: 203200101****Subject Name: Research Methodology & IPR****Date: 21/12/2019****Time: 10:30 to 01:00 pm****Total Marks: 60****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

**Q.1** A) What is a patent? Explain in brief. **(05)**

B) Write a brief note on the IPR for computer software in India. **(05)**

C) Write meaning, sources, scope and objectives of research problem. **(05)**

**Q.2** Answer the following questions. (Attempt any three) (Each five mark) **(15)**

A) Write short notes on Geographical indicator.

B) Write steps to organizing your manuscript.

C) Write short notes on the copyright.

D) Define exploratory and explanatory research.

**Q.3** A) Explain criteria for patentability. **(07)**

B) Enumerate types of Intellectual Property rights and explain each of them in brief. **(08)**

**OR**

B) Write a brief note on Indian traditional knowledge and IPR issues related with that. **(08)**

**Q.4** A) Discuss various approaches of investigation of solutions for research problem. **(07)**

**OR**

A) What do you mean by literature review? Write and explain steps for effective literature review. **(07)**

B) Define research. Explain types of research in detail. **(08)**