



**K. K. Wagh Institute of Engineering Education & Research, Nashik**  
(An Autonomous Institute From A.Y. 2022-23)

WINTER-2025	
Exam Seat No.:	
Academic Year:2025-2026	Semester:I
Class:PG-I	Program:M.Tech
Branch Code:ELE	Pattern:2024
Name of Course:Research Methodology and Intellectual Property Rights	Course Code:2406505
Max. Marks:60	Duration:2.30 Hrs.

**Instructions:** Candidates should read carefully the instructions printed on the Question Paper and on the cover page of the Answer Book, which is provided for their use.

1. This question paper contains \_\_\_\_ page(s).
2. Answer to each new question is to be started on a new page.
3. Assume suitable data wherever required, but justify it.
4. Draw the neat labelled diagrams, wherever necessary.
5. The last columns indicates the Course Outcome and level of Blooms Taxonomy of the Question/sub-question.

**Marks CO**

**Question No. 1**

- 1a) Explain the importance of literature review in identifying the research gap and developing a working hypothesis. (6) CO1

**Question No. 2**

- 2a) Describe the process of critical and creative reading of a research paper. How does it help in identifying the strengths and limitations of a research study? (6) CO1

**Question No. 3**

- 3a) Explain the structure and essential components of a thesis/dissertation (8) CO3

**OR**

- 3b) Discuss the significance of thesis/dissertation writing and explain the major steps involved in writing it. (8) CO3

- 3c) Describe the components of a research paper and explain the purpose of each component. (8) CO3

**OR**

- 3d) Explain the importance of research funding and discuss the standard format of a research proposal for AICTE/DST schemes (8) CO3

**Question No. 4**

- 4a) Explain Intellectual Property Rights (IPR) and describe any four types of IPR with suitable examples (8) CO4

**OR**

- 4b) Discuss the history and evolution of the Indian Patent System. (8) CO4

- 4c) Explain the procedure for filing a patent application in India. (8) CO4

**OR**

- 4d) Write a detailed note on patent infringement, enforcement, and patent licensing. (8) CO4

**Question No. 5**

5a) Explain the criteria of patentability with reference to novelty, inventive step, and industrial applicability. (8) CO4

**OR**

5b) Define and explain prior art, person skilled in the art, and sufficiency of disclosure. (8) CO4

5c) Discuss intellectual property infringement and valuation. (8) CO4

**OR**

5d) Explain the government's role in fostering intellectual property and promoting IP education in India. (8) CO4

**..... End of question paper.....**