



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

InSem Examination-I Winter2025	
Exam Seat No.:	
Academic Year:2025-2026	Semester:I
Class:PG-I	Program:M.Tech
Branch Code: CIV	Pattern:2024
Name of Course:Research Methodology and Intellectual Property Rights	Course Code:2404505
Max. Marks:30	Duration:1 Hrs. 15 min

**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 01 pages.
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**

- 1 a) What is a research problem? Explain its significance in research. (7) CO1, CO2, CO3

**Question No. 2**

- 2 a) State the main characteristics of a good research problem. (8) CO1, CO2, CO3

**OR**

- 2 b) List and explain any four sources of research problems. (8) CO1, CO2, CO3

**Question No. 3**

- 3 a) What is a hypothesis? Explain the process of hypothesis formulation with an example. (7) CO1, CO2

**Question No. 4**

- 4 a) Define research design. Explain its importance and essential features. (8) CO1, CO2

**OR**

- 4 b) Discuss the importance of review of literature in the research process. (8) CO1, CO2

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