

THE KAVERY ENGINEERING COLLEGE*(An Autonomous Institution)***M.E/MCA DEGREE END SEMESTER THEORY EXAMINATIONS, NOV/DEC 2025***First Semester**Common to all Branches***PRMT2411 – Research Methodology and IPR***Regulations – 2024**Duration : 3 Hrs**Maximum : 100 Marks***PART – A (ANSWER ALL QUESTIONS) (Marks 10*2=20)**

<i>Q.No</i>	<i>Questions</i>	<i>BTL</i>	<i>CO</i>	<i>Marks</i>
1.	Define research design.	L1	1	2
2.	What is meant by sampling?	L1	1	2
3.	Define hypothesis in research.	L1	2	2
4.	What is Intellectual Property?	L1	2	2
5.	Define a patent.	L1	3	2
6.	Distinguish the difference between primary and secondary data.	L2	3	2
7.	Describe the role of WIPO in IPR.	L2	4	2
8.	Give the importance of plagiarism check in research reporting.	L2	4	2
9.	What is the purpose of measurement scales in data collection?	L2	5	2
10.	List out the benefits of patents in innovation.	L2	5	2

PART – B (ANSWER ALL QUESTIONS) (Marks 5*16 = 80)

<i>Q.No</i>	<i>Questions</i>	<i>BLT</i>	<i>CO</i>	<i>Marks</i>
11.	a Explain the different types of research design with suitable examples.	L2	1	16
	Or			
	b Define qualitative research. Describe the observation studies and their significance.	L2	1	16
12.	a Explain the different sampling methods used in research.	L2	2	16
	Or			
	b What are questionnaires and instruments? Explain their importance in research.	L2	2	16
13.	a Analyze the outcomes of hypothesis testing in a chosen real-world research scenario, and explain how the results influence the interpretation of the research problem.	L4	3	16
	Or			
	b Analyze the importance of multivariate analysis in research with examples.	L4	3	16

14.	a	Explain the role of trade secrets and utility models in IPR with examples.	L3	4	16
		Or			
	b	Apply the role of WTO in explaining how Intellectual Property Rights are implemented in international trade with a suitable example.	L3	4	16
15.	a	Evaluate the process of patent examination and grant in India. Suggest the improvements to reduce delays.	L5	5	16
		Or			
	b	Evaluate the effectiveness of the e-filing system for patent applications by comparing it with the traditional filing process. Justify your evaluation with appropriate reasons.	L5	5	16