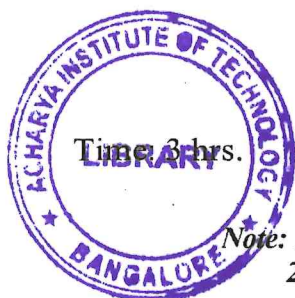


Fifth Semester B.E./B.Tech. Degree Examination, June/July 2026



Research Methodology and IPR

Max. Marks: 100

*Note: 1. Answer any FIVE full questions, choosing ONE full question from each module.
2. M: Marks, L: Bloom's level, C: Course outcomes.*

Module – 1			M	L	C
Q.1	a.	Define Engineering research and list its aims and objectives.	10	L1	CO1
	b.	Explain briefly about research cycle and verify with the research flow diagram.	10	L1	CO1
OR					
Q.2	a.	Enlist and explain different types of engineering research.	10	L1	CO1
	b.	What are the key ethical issues related to authorship? Explain any one.	10	L1	CO1
Module – 2					
Q.3	a.	Explain about the importance of Literature review and Technical reading.	10	L2	CO2
	b.	Explain various steps involved in critical and creative reading.	10	L2	CO2
OR					
Q.4	a.	Explain how knowledge flows through a citation network. Assign a flow diagram.	10	L2	CO2
	b.	How does new and existing knowledge can contribute to the research process? Explain relevant points.	10	L3	CO2
Module – 3					
Q.5	a.	Describe Intellectual Property Rights and list its types.	10	L2	CO3
	b.	Explain about the key aspect of Patent Law.	10	L2	CO3

OR					
Q.6	a.	Define the term patent and what conditions must be met for obtaining patent protection.	10	L2	CO3
	b.	Brief about the patent procedure in India.	10	L2	CO4
Module – 4					
Q.7	a.	Explain the process of copyright registration. What are the benefits for the copyright holders?	10	L2	CO4
	b.	What is trademark? Explain the steps involved in trademark registration using flow chart.	10	L2	CO4
OR					
Q.8	a.	What are the Roles and functions of the copyright board and copyright society in administering copyright law and regulations?	10	L3	CO4
	b.	Copyright infringement is a criminal and cognizable offence. Explain How and Why?	10	L3	CO4
Module – 5					
Q.9	a.	Explain the Classification of Industrial Designs and Design registration trends in India.	10	L3	CO5
	b.	Define Geographical Indications (GI) with an example. What are the rights granted to GI holders?	10	L3	CO5
OR					
Q.10	a.	Describe the overall ecosystem and significance of Geographical Indications in India.	10	L2	CO5
	b.	What are the rights of the Owner of designs? Explain.	10	L1	CO5

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