

# Model Question Paper-1 with effect from 2022(CBCS Scheme)

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## Fifth Semester B. Tech Degree Examination Research Methodology and Intellectual Property Rights

TIME: 03 Hours

Max.Marks:100

Note: Answer any FIVE full questions, choosing at least ONE question from each MODULE

Module-1			*Bloom's Taxonomy Level	COs	Marks
Q.01	a	List the different types of research misconduct and provide a brief explanation for each one.	L1	1	10
	b	Define Engineering Research and list its aims and objectives	L2	1	10
OR					
Q.02	a	What ethical considerations and responsibilities should be taken into account when determining authorship in engineering research?	L2	1	10
	b	Enlist and Explain different types of engineering research	L2	1	10
Module-2					
Q.03	a	How does the new and existing knowledge can contribute to the research process? Explain with relevant points.	L2	2	10
	b	How can researchers effectively use search engines to find relevant literatures in their field?	L2	2	10
OR					
Q.04	a	Explain how knowledge flows through a citation network using a flow diagram.	L2	2	10
	b	What is impact of Title and Keywords on citations? Explain Citation based Knowledge flow	L1	2	10
Module-3					
Q.05	a	Describe Intellectual Property Rights and List its types?	L2	3	10
	b	Explain the following major steps involved in the process of Patent Registration: i)Prior Art Search ii)Choice of application to be filed iii)Pre-grant opposition	L2	3	10
OR					
Q.06	a	In which circumstances Indian residents are not required to file a patent application first in India to get patent protection in another country? Explain.	L2	3	10
	b	Explain step by step process of obtaining the patent from the initial idea to the grant of patent.	L2	3	10
Module-4					
Q.07	a	Using a flowchart, explain the steps involved in the process of Trademarks Registration.	L2	4	10
	b	Define the term Copyright and write its classes. What are the two exclusive rights owned by the copyright owner? Explain briefly.	L1	4	10
OR					
Q.08	a	Using a flowchart, explain the steps involved in the process of Copyright Registration.	L2	4	10
	b	Copyright Infringements, Copyright Infringement is a Criminal Offence. Copyright Infringement is a Cognizable Offence Explain.	L2	4	10

Module-5					
Q.09	a	Explain the process of industrial design registration.	L2	5	10
	b	Define Geographical Indications (GI) with an example. What are the rights granted to GI holders?	L2	5	10
OR					
Q.10	a	Explain Case study of Curcuma (Turmeric) Patent, Case study of Neem Patent.	L2	5	10
	b	Using a flow chart, explain the process of GI registration	L1	5	10

\*Bloom's Taxonomy Level: Indicate as L1, L2, L3, L4, etc. It is also desirable to indicate the Cos and Pos to be attained by every bit of questions.

## Model Question Paper-2 with effect from 2022(CBCS Scheme)

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### Fifth Semester B. Tech Degree Examination Research Methodology and Intellectual Property Rights

TIME: 03 Hours

Max.Marks:100

Note: Answer any FIVE full questions, choosing at least ONE question from each MODULE

Module-1			*Bloom's Taxonomy Level	COs	Marks
Q.01	a	What are the key ethical issues related to authorship? Explain each one.	L1	1	10
	b	What are the three broad categories of developing and accessing Knowledge in research? Explain with a diagram.	L2	1	10
OR					
Q.02	a	Explain Fabrication, Falsification and Plagiarism related to engineering Research	L2	1	10
	b	Discuss the different types of engineering research. Clearly point out the Differences between all of them with examples.	L2	1	10
Module-2					
Q.03	a	Explain the various steps involved in the critical and creative reading process.	L2	2	10
	b	What are the key features of the bibliographic database of the Web of Science (WoS), and how is it commonly used in research?	L2	2	10
OR					
Q.04	a	What types of citations fail to achieve their goal and do not benefit the reader? Explain.	L2	2	10
	b	Explain the most common styles for citation used by engineers during research, and provide an example.	L1	2	10
Module-3					
Q.05	a	Discuss the Design registration procedure of patent by using a flowchart.	L2	3	10
	b	Discuss the history of Intellectual Property Rights in India	L2	3	10
OR					
Q.06	a	What strategies are involved in the commercialization of a patent?	L2	3	10
	b	What are utility models, and how do they differ from patents?	L2	3	10
Module-4					
Q.07	a	Explain the process of copyright registration? What are the benefits for the copyright holders?	L2	4	10
	b	Explain by using flowchart, steps involved in trademark registration?	L1	4	10
OR					
Q.08	a	Explain the criteria that an original work must meet to qualify for copy right protection?	L2	4	10
	b	What are the roles and functions of the copyright board and the copyright Society in administering copyright laws and regulations?	L2	4	10

Module-5					
Q.09	a	Explain the classification of Industrial Designs and design registration trends in India	L2	5	10
	b	Explain the famous case law between Apple Inc Vs Samsung Electronics Co. related with Industrial Design Rights.	L2	5	10
OR					
Q.10	a	How would you describe the overall ecosystem and significance of geographical indications in India?	L2	5	10
	b	Using a flowchart, Explain the process of GI registration.	L1	5	10

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