

Basavarajeswari Group of Institutions

BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT
 (Autonomous Institute under Visvesvaraya Technological University, Belagavi)

2022 SCHEME

USN

Course Code 2 2 R M 6 7

Sixth Semester B.E. Degree Examinations, June/July 2025

RESEARCH METHODOLOGY AND IPR

Duration: 3 hrs

Max. Marks: 100

Note: 1. Answer any FIVE full questions choosing ONE full Question from each Module
 2. Missing data, if any, may be suitably assumed

<u>Q. No</u>	<u>Question</u>	<u>Marks</u>	<u>(RBTL:CO: PI)</u>
<u>Module-1</u>			
1.	a. Define research. Explain the objectives of engineering research.	08	(1 :1: 1.2.1)
	b. Explain the engineering research process with neat flowchart.	12	(2:1: 1.2.1)
(OR)			
2.	a. Define ethics in engineering research. Explain how ethical principles influence the conduct of research.	10	(1:1: 1.3.1)
	b. List and explain the recommended steps to solve a research problem.	06	(1:1: 1.3.1)
	c. Write a note on fabrication and falsification.	04	(1:1: 1.2.1)
<u>Module-2</u>			
3.	a. Define the term citation. Describe the three functions of citation.	08	(1:2: 1.2.1)
	b. What are datasheets and write their contents?	06	(1:2: 1.2.1)
	c. Write a note on web of science.	06	(1:2: 1.2.1)
(OR)			
4.	a. List and explain the importance of note-taking while reading research papers.	10	(2:2: 1.2.1)
	b. Write a note on impact of titles and keywords on citation.	06	(1:2: 1.2.1)
	c. What is acknowledgment in research writing?	04	(1:2: 1.2.1)
<u>Module-3</u>			
5.	a. Explain the major steps involved in the process of filling patent applications using a flow chart.	10	(2:3: 1.2.1)
	b. Define the following terms: (i) Copyright (ii) Patent (iii) Trademarks (iv) Industrial Design.	06	(1:3: 1.2.1)
	c. What are utility models, and how do they differ from patents?	04	(1:3: 1.2.1)
(OR)			
6.	a. Explain the role of IP in the economic and cultural development of the society.	10	(2:3: 1.2.1)
	b. Write a note on patent infringements.	10	(1:3: 1.2.1)

Note: (RBTL - Revised Bloom's Taxonomy Level: CO - Course Outcome: PI- Performance Indicator)

Module-4

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| 7. | a. | Explain the copyright registration with neat flow chart. | 12 | (2:3: 1.2.1) |
| | b. | Explain the classification of trademarks. | 08 | (2:3: 1.2.1) |

(OR)

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| 8. | a. | Explain by using a process flowchart, the steps involved in trademark registration. | 12 | (2:3: 1.3.1) |
| | b. | Explain the case law: Coca-Cola company vs. Bisleri international Pvt. Ltd. | 08 | (2:3: 1.3.1) |

Module-5

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| 9. | a. | Discuss the design registration procedure by using a flowchart. | 10 | (2:4: 1.3.1) |
| | b. | Describe the enforcement of industrial design rights. | 06 | (2:4: 1.3.1) |
| | c. | What is non-protectable industrial designs India? | 04 | (1:4: 1.2.1) |

(OR)

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| 10. | a. | Explain the classification of industrial designs and design registration trends in India. | 08 | (2:4: 1.3.1) |
| | b. | Discuss the case study of curcuma (Turmeric) patent and basmati patent. | 12 | (2:4: 1.3.1) |

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