



# STJOSEPHENGINEERINGCOLLEGE, MANGALURU

An Autonomous Institution

Fifth Semester B.E. Degree (Autonomous)Examinations

USN:

22RMI57

Duration:3 Hrs

Maximum Marks: 100

## Research Methodology and Intellectual Property Rights

Note:1. Part-A is mandatory.

2. Answer any five full questions from Part-B choosing atleast one from each module.

3. Missing data may be suitably assumed.

### PART-A

Q.No.	Question				BL	CO	PO	Marks
1	A research intends to explore the result of possible factors for the organization of effective mid-day meal interventions. Which research method will be most appropriate for this study?				L4	1	PO2	1
	a)	Descriptive survey method	b)	Historical method				
	c)	Ex-postfacto method	d)	Experimental method				
2	A researcher is interested in studying the prospects of a particular political party in an urban area. So, what tool should he prefer for the study?				L3	1	PO2	1
	a)	Rating Scale	b)	Interview				
	c)	Questionnaire	d)	Schedule				
3	A research proposal should start with -----				L2	2	PO10	1
	a)	Sampling technique	b)	An overview of the main area under study.				
	c)	The proposed structure of the report	d)	A time frame of the proposed research				
4	What is the significance of the "Literature Review" section in a thesis?				L2	2	PO8	1
	a)	To introduce the research topic	b)	To summarize the entire thesis				
	c)	To provide background information and review existing research on the topic	d)	To list the references used in the thesis				
	The use of information and ideas protected by IPR are of				L2	4	PO6	1
	a)	Cultural value	b)	Social value				
	c)	Commercial value	d)	Moral value				
6	The term "person" as defined in the Patents Act includes Government.				L2	3	PO6	1
	a)	Yes	b)	No				
	c)	Only Natural or Body Corporate.	d)	"person" means only individual or a group of individuals				

Q.No.	Question				BL	CO	PO	Marks
7	Given below are two statements: One is labelled as Assertion (A) and the other is labelled as Reason (R). <u>Assertion (A):</u> Trademark registration gives exclusive proprietary rights to the trademark owner. <u>Reason®:</u> A trademark is a recognizable sign, design or expression, which identifies the product or services of a particular source from those of others, and are used to claim exclusive proprietary rights of product or services.				L4	5	PO6	2
	a)	Both(A)and(R)are true and (R) is the correct Explanation of(A)	b)	Both(A)and(R)are true and(R)is NOT the correct Explanation of(A)				
	c)	(A)is true but(R) is false.	d)	(A)is false but(R)is true.				
8	Under which type of agreement royalty is paid on the basis of sale?				L2	5	PO6	1
	a)	Mining	b)	Patent				
	c)	Copyright	d)	Licensing				
9	Mention the specific criteria for the protection under the Semi-Conductor Integrated Circuits Layout-Design (SICLD) Act, 2000				L2	6	PO6	2
10	The Protection of Plant Varieties and Farmers' Rights Act was enacted in				L1	6	PO6	1
	a)	2021	b)	1991				
	c)	2001	d)	1971				
11	What do you mean by Research Methods and Research Methodology?				L1	1	PO2	2
12	What is the role of proper referencing in a research paper.				L2	2	PO10	2
13	Name the different types of Intellectual Property?				L1	3	PO6	2
14	List out the 4 examples of Indian Geographical Indications.				L1	6	PO6	2

### PART-B

#### Module-1

Q.No.	Question				BL	CO	PO	Marks
1	a)	Briefly describe the different steps involved in a research process.			L2	1	PO1	8
	b)	Describe briefly the techniques of defining a research problem.			L2	1	PO1	8

### OR

2	a)	Explain the importance and principles of Research Ethics.			L2	1	PO1	8
	b)	Write a note on Author Metrics and Journal Metrics.			L2	2	PO8	8

#### Module-2

3	a)	State and explain atleast 8 key reasons why writing research papers is important.			L2	2	P10	8
	b)	Explain Submission and Post-submission step in research article writing.			L3	2	PO8	8

### OR

4	a)	What do you mean by Thesis Writing? Explain briefly the typical components of a Thesis.	L2	2	P10	8
	b)	Discuss the preliminary requirements for research proposal writing in Engineering .	L3	2	P10	8
<b>Module-3</b>						
5	a)	What is meant by Intellectual Property? Why does intellectual property need to be promoted and protected?	L4	3	PO6	8
	b)	Discuss in brief any two leading International Instruments concerning Intellectual Property Rights.	L2	4	PO6	8
<b>OR</b>						
6	a)	An invention may satisfy the condition of novelty, inventiveness and usefulness but it may not qualify for a patent. Discuss. Who checks the novelty features of the invention?	L4	5	PO6	8
	b)	Discuss various types of Applications for Patents.	L2	5	PO6	8
<b>Module-4</b>						
7	a)	Briefly Explain: (i) Remedies available to a copyright owner when his copyright is infringed and (ii) Terms of copyright	L2	5	PO6	8
	b)	Enumerate the functions of the copyright board.	L2	5	PO6	8
<b>OR</b>						
8	a)	Distinguish between:(i)Trademark and property mark(ii)Artistic work and Sound recording	L2	5	PO6	8
	b)	List the exclusive rights conferred by the registration of the Trade Mark on the registered proprietor.	L2	5	PO6	8
<b>Module-5</b>						
9	a)	What is an Industrial Design? Discuss the need for protection of Industrial Designs as IP in India.	L3	6	PO6	8
	b)	What is a geographical indication? List the salient features of the Geographical Indications of Goods (Registration &Protection)Act, 1999.	L2	6	PO6	8
<b>OR</b>						
10	a)	Explain briefly the need for protection of India's Traditional Knowledge under Intellectual Property regime.	L3	6	PO6	8
	b)	Discuss the salient features of the Bio-diversity Act 2002.	L2	6	PO6	8

