



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	There has been a steep rise in plagiarism due to				L3	2	PO8	1
	a)	Increase in publication growth	b)	Increase in enrolment for research work				
	c)	Availability of digital documents	d)	Use of computers in research				
2	Your colleague is confused about using the marketing research process, as he knows that something is wrong but is not sure of the specific causes to investigate. He seems to be having problems with _____, which is often the hardest step to take.				L4	2	PO2	1
	a)	Developing the research plan	b)	Determining a research approach				
	c)	Defining the problem and research objectives	d)	Selecting a research agency				
3	Which of the following statement is not true-				L1	2	PO2	1
	a)	Results and discussions follow materials and methods	b)	Both results and discussions can be written separately				
	c)	References should be the latest one, preferably	d)	You can criticize any previous study if it contrasts yours				
4	What should the "references" section of a research paper contain?				L2	2	P10	1
	a)	Personal opinions related to the topic	b)	Citations of all sources used in the paper				
	c)	Only primary sources but no secondary sources	d)	Random facts about the research area				
5	India is a member to the _____ agreement.				L1	3	PO6	1
	a)	WIPO	b)	TRIPS				
	c)	WTO	d)	All of these				

Q.No.	Question				BL	CO	PO	Marks				
6	<p>Given below are the two statements.</p> <p>Statement I: Patents are defined as monopoly rights which one is granted by the government, for full disclosure of the invention, for a limited period of time, that is for 20 years.</p> <p>Statement II: The purpose of granting patents is to encourage inventions by promoting their protection and utilization to contribute to the development of industries.</p> <p>In the light of the above statements, choose the most appropriate answer from the options given below.</p>				L4	4	PO6	2				
	<p>a) Both statement I and II are correct</p> <p>b) Both statement I and II are incorrect</p>											
	<p>c) Statement I is correct but Statement II is incorrect</p> <p>d) Statement I is correct but Statement II is incorrect</p>											
7	What is not Patentable?				L3	4	PO6	1				
	<p>a) A new assault gun</p> <p>b) A new poison capable of human death</p>											
	<p>c) A new chemical compound usable for huge explosion</p> <p>d) All above are patentable</p>											
8	If a person uses someone's song as background music in his/her music video, then could it be an example of				L3	5	PO6	1				
	<p>a) Copyright infringement</p> <p>b) Hacking</p>											
	<p>c) Identity theft</p> <p>d) None of the above</p>											
9	Upon expiry of registration of a design under Designs Act, 2000 it becomes				L1	6	PO6	1				
	<p>a) property of the central government</p> <p>b) property of the state government</p>											
	<p>c) Public property</p> <p>d) property of municipal authorities</p>											
10	Which of the following acts in relation to a semiconductor integrated circuit layout design does not amount to commercial exploitation?				L3	6	PO6	1				
	<p>a) lease of semiconductor integrated circuit</p> <p>b) sale or offer or exhibition for sale of semiconductor integrated circuit</p>											
	<p>c) distribution for commercial purpose of semiconductor integrated circuit</p> <p>d) lien on semiconductor integrated circuit</p>											
11	What do you mean by "Biodiversity" ?				L1	6	PO6	1				
12	State any two objectives of Research.				L1	1	PO2	2				
13	What information should be included in the budget section of a research proposal?				L2	2	P10	2				
14	What do you mean by Intellectual Property?				L2	3	PO6	2				
15	What is the distinction between trademark and certification mark?				L2	5	PO6	2				

PART-B**Module-1**

Q.No.	Question			BL	CO	PO	Marks
1	a)	What do you mean by Research? Explain its significance in Engineering.		L2	1	PO1	8
	b)	Discuss the criteria for good Research.		L3	1	PO1	8

OR

2	a)	Discuss the different ways used to identify the research gaps.		L2	1	PO1	8
	b)	What do you mean by Plagiarism? Describe how you will avoid plagiarism in your assignment submissions.		L3	2	PO8	8

Module-2

3	a)	Discuss briefly the steps involved in writing research papers with the help of a flow chart.		L2	2	P10	8
	b)	Explain the importance and elements of 'Referencing and Citations' with respect to research article writing.		L3	2	PO8	8

OR

4	a)	Briefly explain any EIGHT standard heads in research proposal writing.		L2	2	P10	8
	b)	Compare between SYNOPSIS and ABSTRACT in Thesis Writing.		L4	2	P10	8

Module-3

5	a)	Explain the relevance of Intellectual Property Rights in the businesses today.		L3	3	PO6	8
	b)	What is TRIPS Agreement? Outline the areas covered and main three features of the TRIPS Agreement.		L2	4	PO6	8

OR

6	a)	Discuss the three conditions of patentability.		L2	5	PO6	8
	b)	Define 'software patent'. Briefly discuss some of the important issues concerning software patenting.		L3	5	PO6	8

Module-4

7	a)	What is Copyright? Explain the classes of works for which copyright protection is available in India.		L2	5	PO6	8
	b)	How an author has been defined under the Copyright Act?. Explain types of rights given to the Author.		L2	5	PO6	8

OR

8	a)	Enumerate the salient features of the Trade Marks Act, 1999		L2	5	PO6	8
	b)	Explain the Absolute Grounds and Relative Grounds for refusal of registration of a trade mark.		L2	5	PO6	8

Module-5

	a)	Discuss briefly registrable and non-registrable designs.		L2	6	PO6	8
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9	b) Discuss the offences and penalty under Geographical Indications of Goods (Registration & Protection) Act, 1999.	L2	6	PO6	8
OR					
10	a) Discuss the Procedure for Registration of Layout design under the Semi-Conductor Integrated Circuits Layout-Design Act, 2000.	L2	6	PO6	8
	b) Explain the following with respect to Protection of Plant Varieties and Farmers' Rights Act 2001. (i). Need for Plant Protection as Intellectual Property (ii). Conditions for Registration of New Plant Variety	L2	6	PO6	8

