

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

MOOC End Term Examination- 2025

B.Tech-VII Semester

COURSE CODE(CREDITS):25B2WBT602

MAX. MARKS: 70

COURSE NAME: Research Methodology and IPR

COURSE INSTRUCTOR: Dr Hemant Sood

MAX. TIME: 3 Hours

Note: (a) All questions are compulsory.

(b) Marks are indicated against each question in square brackets.

(c) The candidate is allowed to make Suitable numeric assumptions wherever required for solving problems

Q.No	Question	Marks
Q1	<p>A new plant variety of Basil with having lavender fragrance was developed in JUIT by using genes from Lavender species. Explain the complete registration procedures for the intellectual property protection.</p> <p>Explain the contents required for drafting provisional and complete Patent application. How it would generate benefits for the patentee?</p>	10
Q2	<p>Which intellectual property right is required for artistic work in India? What is the significance of this IP right and which amendment has carried out improvements for its protection? How you can check for infringement and proceed for the litigations? What are the rights conferred under this IP registration and benefits generated out of it to the host institution as well?</p>	10
Q3	<p>How do multivariate analysis, hypotheses testing, and measures of association support data-driven decision-making, and how should the resulting insights be communicated through written and oral presentations?</p>	5
Q4	<p>Which intellectual property is required for protecting the ornamentation part of the newly developed plant growth chamber with temperature and light controls at JUIT? What is the significance of this IP right and how infringements can be penalized under this protection at national level? How its protection can be carried out at International level?</p>	10
Q5	<p>A postgraduate student, Meera, is preparing a literature review for her thesis. While searching online, she finds a well-written report on a research blog. Thinking the blog is "informal," she copies several paragraphs directly into her review without citation. When her supervisor runs the document through</p>	10

	plagiarism detection software, the copied sections are flagged. Meera argues that the content was freely available on the internet and therefore did not require citation. The department must now decide whether this constitutes plagiarism and whether Meera has violated copyright law. Is online content automatically free to use, or is it academic dishonesty? Does copying without citation violate both plagiarism and copyright rules? How it impacts the integrity of fair research conduct? Which measures may be taken for the same?	
Q6	Given a newly emerging consumer trend, outline how you would use secondary data, exploratory research, qualitative methods, observation, experiments, and surveys to design a complete research study. Justify each method's contribution to answering the research question.	10
Q7	Which strategy would you like to follow for carrying out a Literature search on the topic of Herbalization in India? How does a systematic Literature review help in exploring the novel problem for research?	5
Q8	A company wants to measure customer satisfaction with a new service. Design a research plan explaining what measurements and measurement scales you would use, how you would construct the questionnaire or instrument, which sampling method is most appropriate, and how you would prepare, explore, examine, and display the collected data.	10