

Name:			
Enrolment No:			
<b>UPES</b> <b>End Semester Examination, December 2024</b>			
<b>Course: Research Methodology and IPR</b> <b>Program: MSc. Nutrition and Dietetics and Microbiology</b> <b>Course Code: HSCC7020</b>		<b>Semester : I</b> <b>Duration : 3 Hours</b> <b>Max. Marks: 100</b>	
<b>Instructions: Attempt all questions. All questions are compulsory</b>			
S. No.	<b>Section A</b>  <b>Short answer questions/ MCQ/T&amp;F</b> <b>(20Qx1.5M= 30 Marks)</b>	Marks	COs
Q 1	Provide name of Plagiarism checking software.	1.5	CO1
Q 2	Provide name of one citation database.	1.5	CO1
Q 3	Define CPSCEA?	1.5	CO1
Q 4	The Prevention of Cruelty to animals act is governing animal research in India. (True /False)	1.5	CO1
Q 5	The duration of protection of patent is 20 years. Is it true or false?	1.5	CO2
Q 6	Patents prevent use of patented material for R and D activities. (True/False)	1.5	CO2
Q 7	Define IPR.	1.5	CO2
Q 8	Choose the correct option indicating a violation of publication ethics? a. Publishing in an open-access journal b. Conducting a peer review c. Plagiarism d. Including a large number of citations in a paper	1.5	CO2
Q 9	Informed Consent is very important for conducting research on Human subjects.(True/False)	1.5	CO3
Q 10	Select an explanation from below for "ghostwriting" in the context of scientific publications? a. Writing a paper without sufficient data b. Adding an author who did not contribute to the research c. When an uncredited writer drafts the paper on behalf of the credited authors d. Publishing a paper anonymously	1.5	CO3
Q 11	Copyright can be transferred to another person . (True/False)	1.5	CO3
Q 12	Write about any two examples of copyrights.	1.5	CO3
Q 13	Illustrate different types of IPRs with suitable diagram.	1.5	CO4
Q 14	Provide two examples of Geographical Indication.	1.5	CO4

Q 15	Choose the name of IPR which protects the intellectual property created by a community? a. Copyright b. Geographical indications c. Patents d. Registered designs	1.5	CO4
Q 16	Write the name of most important part of the patent application?	1.5	CO4
Q 17	If you file provisional specification, the complete specification is required to be filed within a. 10 months b. 12 months c. 18 months d. 24 months	1.5	CO5
Q 18	Publication of the patent application is done automatically after a. 10 months b. 12 months c. 18 months d. 24 months	1.5	CO5
Q 19	Select the IPR that protects company's logo? a. Geographical Indication b. Trademark c. Patent d. Copyright	1.5	CO5
Q 20	Reduction in animal research ethics refers to: a. Reducing the number of researchers working with animals b. Minimizing the number of animals used without compromising scientific validity c. Reducing the amount of funding allocated to animal research d. Reducing the publication of animal research findings	1.5	CO5
<b>Section B</b> (4Qx5M=20 Marks)			
Q 1	Discuss the precautions to be taken before patenting	5	CO 1
Q 2	Define Prior Art? Describe its importance in drafting the patent.	5	CO 1
Q 3	Write a note on National Biodiversity Authority.	5	CO 2
Q 4	Write a note on different types of Patent Databases.	5	CO 3
<b>Section C</b> (2Qx15M=30 Marks)			
Q 1	Discuss following with suitable examples a. Ethics in Human Research	3x5= 15	CO 4

	<b>b. Ethics in Animal Research</b> <b>c. Traditional Knowledge</b>		
<b>Q 2</b>	<b>Write a note on types of IPRs available in India discussing important features, time of protection and examples of IPs protected under each type. Discuss one case study of in details.</b>	<b>10+5=15</b>	<b>CO 5</b>
<b>Section D</b> <b>(2Qx10M=20 Marks)</b>			
<b>Q 1</b>	<b>A Scientist wants to explore rare medicinal plants used by tribals for fever in Biodiversity Protected Area. The plant extract was further used for treating fever. Based on information presented above answer the following questions.</b> <ol style="list-style-type: none"> <li><b>1. Before going to biodiversity protected area the Scientist needed the permission for state biodiversity board. (True/False) Justify your answer,</b></li> <li><b>2. If Scientist wants to get a patent, can he get patent on extract isolated? (True/False). Justify your answer with proper argument.</b></li> <li><b>3. If the extract is commercialized by the scientist by collaborating with the company the profit sharing should be done with tribal community. (True/False) Justify your Answer.</b></li> </ol>	<b>3+3+4=10</b>	<b>CO 2</b>
<b>Q 2</b>	<b>Discuss in detail about patent application and approval process.</b>	<b>10</b>	<b>CO 3</b>