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JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY WAKNAGHAT
TEST -3 EXAMINATION-2025

M.Sc BT -3rd Sem (BT)

COURSE CODE(CREDITS): 20MS1MB315 (2)

MAX. MARKS: 35

COURSE NAME: IPR, Bioethics& Biosafety

COURSE INSTRUCTORS: Dr Hemant Sood

MAX. TIME: 2hrs

Note: a) All questions are compulsory.

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

	Question	Marks
Q1	New drug was developed by Merck for treating skin infections and would like to release for testing. Some herbal extracts of basil was also added to improve its efficacy. How would you like to carryout IPR management for this product of enterprise? How Bioethical considerations are helping in evaluation and safe release of this product?	3.5 +3.5
Q2	A research laboratory is planning to import a genetically modified crop for field trials. What biosafety and bioethical considerations should be evaluated before approval, and how do the provisions of the Cartagena Protocol guide such decisions?	2.5+2.5
Q3.	Explain the followings: A: What is the need of Traditional Knowledge Act? B: Why paid patent databases are preferred? C: Why Cartagena Protocol is required for Biotech products? D: Why fixation is benefitting copyright and related rights? E: What are the obstacles to successful innovations? F: Why BSL4 biocontainments is of high concern?	2x6 =12
Q4	Does the registration of novel plant variety is required? How you can protect it from infringement? How Biodiversity Act and PBR are contributing in safeguarding the interests of the custodians ? How biodiversity, bioprospecting, and biotechnology are interlinked in the IPR regime toward economic generation? Cite a case study for it.	2.5+3.5
Q5	How IP Strategy helps in commercialization the AI enabled GM detector for crop plant or food for its real value? How IP with R&D, Marketing and Technology acquisition for biotechnological oriented products will be strategized for its revenue generation?	2.5+2.5