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**SCHOOL OF CHEMICAL AND LIFE SCIENCE
B.Sc.-M.Sc. INTEGRATED PROGRAMME
SEMESTER II EXAMINATION, AUGUST 2022
PAPER CODE: BCH-GE02-A TH
PAPER TITLE: BIOETHICS AND IPR**

Time: 3 Hours

Maximum Marks: 75

Attempt all questions. All parts of a question must be attempted in continuation. Start the answer to the next question on a new page. Cite examples and draw labeled diagrams wherever necessary.

[PART A: BIOETHICS]

[Write Part A and Part B on separate sheets]

Question 1. Define the following:

[1 x8=8 marks]

1. Bio-ethics
2. Informed consent
3. Prenatal Screening
4. Prescription Error
5. Medical Negligence
6. ICH-GCP
7. Infectious disease.
8. Near Miss events

Question 2. Answer anyone of the following.

[15 marks]

A. Describe various phases of the clinical trial.

OR

B. What is an ethics committee, write about its component and its functions?

Question 3. Answer anyone of the following.

[15 marks]

A. Describe infection and explain various measures to control hospital-borne infection.

OR

B. Write a short note on the 'ethical usage of animals in the laboratory'.

P.T.O.

[PART B: IPR]

[Write Part A and Part B on separate sheets]

Question 1. Provide short answers to the following questions. Attempt all questions.

[1x7=7]

A. The term of patent is _____ years from the date of filing. (Fill in the blank)

B. An expression is a _____ matter. (Fill in the blank)

C. Bhagalpur Silk can be protected as:

- | | |
|-------------------|--------------------------------|
| i.) a Patent | ii.) a Copyright |
| iii.) a Trademark | iv.) a Geographical Indication |

D. A term of design is:

- | | |
|---|---------------------------------------|
| i.) 15 years from the date of filing. | ii.) 15 years from the date of grant |
| iii.) 20 years from the date of filing. | iv.) 20 years from the date of grant. |

E. A trademark application for a 'to be launched product name' can be filed in India:

- | | |
|--|--|
| i.) at the time of launching a product. | ii.) before 6 months of launching a product. |
| iii.) after 6 months of launching a product. | iv.) any time before or after launching a product. |

F. Shape and configuration of any article is covered under:

- | | |
|-------------------------------|--------------------------------|
| i.) The Trademarks Act, 1999. | ii.) The Designs Act, 1999. |
| iii.) The Designs Act, 2000. | iv.) The Trademarks Act, 2000. |

G. Which is intangible?

- | | |
|--------------------|------------------------|
| i.) Human Resource | ii.) Land and Machines |
| iii.) IP | iv.) Cash |

Question 2. Attempt ANY THREE of the following.

[3x5=15]

- A.** What are the benefits of copyright? Discuss it with reference to music industry.
- B.** What is a Design under the Designs Act, 2000? What are the essential requirements for a design to be registrable?
- C.** Please explain History of Indian Patent System.
- D.** Please explain the main criteria for grant of a patent.
- E.** What is difference between Moral Rights and Economic Rights in Copyright?

Q.3. Write in detail on ANY ONE of the following.

[15 marks]

A. Define TRIPS. How has TRIPS changed the overall economy of India? Explain with enactment of various IP laws in India.

OR

B. What is IPR? Write different types of IPR with examples.

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