BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI (END SEMESTER EXAMINATION)

CLASS: B.Sc./I.M.Sc SEMESTER: III BRANCH: Chemistry SESSION: MO/2023

SUBJECT: CH219 INTELLECTUAL PROPERTY RIGHTS

TIME: **FULL MARKS: 50** 3 Hours

INSTRUCTIONS:

- 1. The question paper contains 5 questions each of 10 marks and total 50 marks.
- 2. Attempt all questions.
- 3. The missing data, if any, may be assumed suitably.
- 4. Before attempting the question paper, be sure that you have got the correct question paper.
- 5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.

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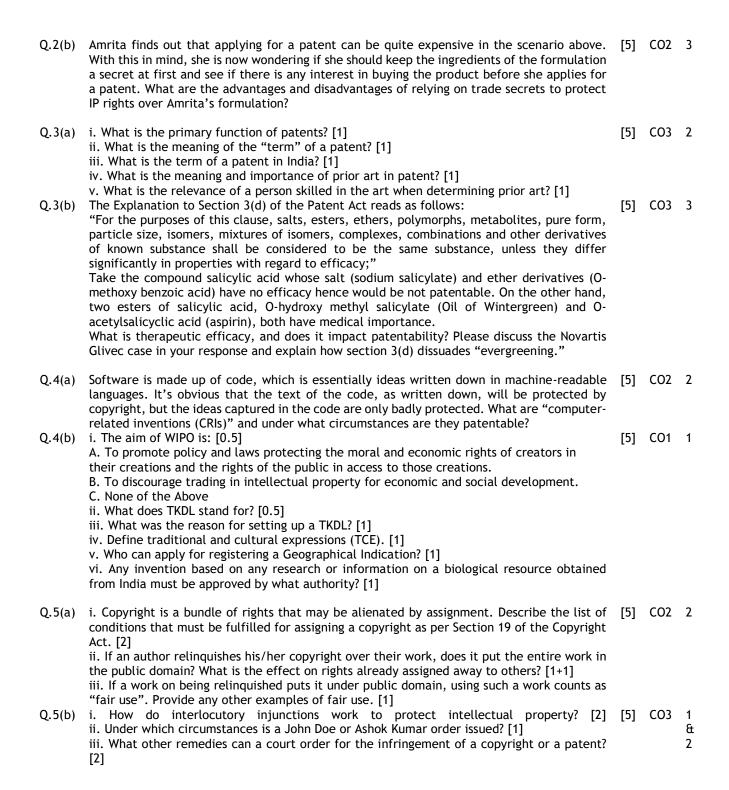
- Q.1(a) i. While national/domestic laws govern people, there is a role played by international [5] CO1 2 conventions and declarations. How does Article 27 of the UDHR support the protection of the Intellectual Property Rights of authors of scientific, literary, or artistic productions? [2]
 - ii. Give at least two examples of international law instruments that establish support of intellectual property rights. [2]
 - iii. What is TRIPS? [1]
- Q.1(b) i. A person makes a new device for extracting lemon juice. He names the device 'Frezz' and [5] CO1 1 writes an instruction manual on how to extract lemon juice.

A trademark can be registered for: [1]

- A. The device for extracting lemon juice
- B. The instruction manual
- C. The name 'Frezz'
- D. None of the above
- ii. A copyright exists for: [1]
 - A. The device for extracting lemon juice
 - B. The instruction manual
 - C. The name 'Frezz'
 - D. None of the above
- iii. A patent can be sought for: [1]
 - A. The device for extracting lemon juice
 - B. The instruction manual
 - C. The name 'Frezz'
 - D. The look, shape and feel of the device
- iv. What does a trademark protect? [1]
- A. A secret formula
- B. A work of literature or art
- C. Logo, name and brand
- D. The look shape and feel of a product
- v. A music band sets up a shopping section on their webpage to sell band-related merch.

What IP type can they use to show that they make the merch? [1]

- A. Copyright
- B. GI
- C. Registered Designs
- D. Trademarks
- Q.2(a) Amrita has discovered that a combination formulation of two well-known ingredients when [5] CO2 2 applied topically over the affected area, reduces pain associated with arthritis. Amrita wants to sell this pain-relieving formulation as she feels it will be of great use to sufferers of joint pains in restoring their mobility and zest for life. Amrita is considering applying for a patent for the formulation.
 - i. What are the factors qualifying a subject matter to become patentable? [2]
 - ii. In light of these factors, assess whether or not Amrita's formulation fulfills the criteria for patentability and how. [1+2]



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