

PARUL UNIVERSITY
FACULTY OF ENGINEERING & TECHNOLOGY

B.Tech. Summer 2018 - 19 Examination

Semester: 5**Subject Code: 03111303****Subject Name: Intellectual Property Rights & Bioethics****Date: 22/05/2019****Time: 10:30am to 01:00pm****Total Marks: 60**

Instructions:

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

Q.1 Objective Type Questions - (Each of one mark)**(15)**

- 1 A game device having a handle, a throat portion and a head portion connected to the throat portion, wherein the improvement comprises a protrusion being secured to the handle. What type of claim is mentioned here?
- 2 Write the full forms of PBR and PTO.
- 3 Which Act cover Trademark and its date of effect?
- 4 What is Bio-piracy?
- 5 What is WIPO?
- 6 What do you understand by the term Invention?
- 7 Berne Convention was held for the protection of:
 - a) Patents
 - b) Copyright
 - c) Trademark
 - d) None of Above
- 8 In which year W.R. Grace secured its rights to the formula that used the emulsion from the Neem tree's seeds to make a powerful pesticide:
 - a)1993
 - b)1999
 - c)1992
 - d)1990
- 9 Which of the following IPR has the longest validity period:
 - a) Patent
 - b) Trademark
 - c) Service mark Rights
 - d) Copyrights
- 10 How many Years does Rice Tech Inc. claimed to develop the Aroma in Rice:
 - a) 15 Years
 - b)10 Years
 - c) 5 Years
 - d)20 Years
- 11 International Congress on Industrial Property was convened at:
 - a) Paris
 - b) Berlin
 - c) Germany
 - d) Rome
- 12 Article _____ lays down that protection under the Convention is to operate for the benefit of the author and his successors in title.
- 13 Section _____ defines what an Invention is and the entire patent Act uses this term Invention for grant of patent.
- 14 In 1944 GATT was taken over by _____
- 15 _____ Relates to all practical uses of living organisms.

Q.2 Answer the following questions. (Attempt any three) **(15)**

- A What do you understand by PTO? Explain its role.
- B What is Intellectual Property rights? Detail about the major type of IP with example.
- C What are the different parts of claim? Explain with example.
- D Elaborate about Geographical Indication and Explain the necessities of GI. Write the full forms of: PDO, PGI and TSG.

Q.3 A) What are the functions and principles of GATT. **(07)**

B) Originally from India and Pakistan, Basmati became a controversial 'issue' after RiceTec, a Texas-based company, in 1997, patented some types of rice they developed as "American basmati". Discuss in detail about the various issues which was raised following the controversy mentioned above. **(08)**

OR

B) What are Bioethics? Explain in detail about Beneficence, Autonomy and Non-maleficence. **(08)**

Q.4 The Indian scientists argued that the people of India have known the medicinal properties of neem for thousands of years and hence no other company can patent its properties. **(07)**

This is an example of which case and which company was involved in the case? On which context Indian scientists argued about the Neem patent?

OR

A) Define patent. Explain Patentable Subject Matter and what conditions are required for patentability? **(07)**

B) What is the scope of breeder rights and what materials are covered under PBR? Explain with Diagram what conditions are required for the Protection of Plant Variety? **(08)**