

PARUL UNIVERSITY
FACULTY OF ENGINEERING & TECHNOLOGY
B.Tech., Winter 2019 - 20 Examination

Semester: 5
Subject Code: 03111303
Subject Name: Intellectual Property Rights and Bioethics

Date: 05/12/2019
Time: 10:30am to 1:00pm
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 - (Fill in the blanks, one word answer, MCQ-not more than Five in case (15) of MCQ) (All are compulsory) (Each of one mark)

- 1 Article _____ lays down that protection under the Convention is to operate for the benefit of the author and his successors in title.
- 2 Section _____ defines what an Invention is and the entire patent Act uses this term Invention for grant of patent.
- 3 In 1944 GATT was taken over by _____
- 4 _____ Relates to all practical uses of living organisms.
- 5 **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
- 6 **International Congress on Industrial Property was convened at:**
 - a) Paris
 - b) Berlin
 - c) Germany
 - d) Rome
- 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 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?

11 Write the full forms of PTO and UPOV.

12 Which Act cover Trademark and its date of effect?

13 What is Bio-piracy?

14 Write any one condition of patentability?

15 What do you understand by the term Invention?

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

A Define Geographical Indication and Explain the necessities of GI. Elaborate the terms: PDO, PGI and TSG.

B Explain with example different parts of claim.

C Discuss about different types of claim? Explain any two in detail.

D What is PTO and what role does it play?

Q.3 A) What is patent, what do you understand by Patentable Subject Matter and what are the conditions for patentability? (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) Why Bioethics are important in Biomedical Engineering? Explain about type of Ethics in Biomedical Engineering with case study examples. (08)

Q.4 A) What is "Intellectual Property"? Explain in detail about the major type of IP. (07)

OR

A) Give detail about the functions and Principles of GATT. (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)