

Exam. Code : 107405

Subject Code : 2291

B.Sc. Biotechnology 5th Semester

PATENT LAWS IN BIOTECHNOLOGY

Paper—BT-4

Time Allowed—3 Hours] [Maximum Marks—40

Note :— Section A : ALL questions are compulsory. Each question carries 1 mark. (1×8=8)

Section B : Attempt any five questions. Each question carries 4 marks. (4×5=20)

Section C : Attempt any two questions. Each question carries 6 marks. (6×2=12)

SECTION—A

1. What is the role of Review Committee on Genetic Manipulation (RCGM) ?
2. Where are the Indian patent offices located and which city has the headquarter ?
3. Are microorganisms patentable in India ?
4. Though the information about the SNP's discovered by the non profitable consortium is made freely available why does it plan to patent all the SNP's ?

5. What is the life of patent ? What happens after its expiry ?
6. Where do we need to deposit microorganisms and why ?
7. What do you mean by infringement of patent ?
8. How are patent Cooperation treaties useful ?

SECTION—B

1. Discuss the ethical issues related to patenting in Biotechnology.
2. Write a note on principles of TRIPS agreement. How it protects plant breeder's right ?
3. Who is a patentee ? What are his rights ?
4. Explain which kinds of inventions are patentable and nonpatentable in India.
5. Write a note on provisional and complete specifications.
6. What are main elements of patent application and how does it differ from a research article ?
7. Explain different sources for retrieving the patent information.

8. What are TRADE MARKS ? Name three well known TRADE MARKS and the products with which these are associated ?

SECTION—C

1. Explain first Indian patent law and its amendments.
2. Write a note on risk associated with release of genetically modified microorganisms with reference to Biosafety, Ecological impact and Environment concern.
3. What is Intellectual Property Rights ? Explain types of IPR and how these are protected.
4. Discuss briefly the status of patents related to medicinal plants.