

(i) Printed Pages: 2

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(ii) Questions : 7

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**B.Sc. (Hons.) Bioinformatics 5<sup>th</sup> Semester**  
**(2122)**

**BIOSAFETY AND IPR**

**Paper : BIN-5003**

**Time Allowed : Three Hours]**

**[Maximum Marks : 60**

**Note :—**Attempt five questions in all, by selecting two questions each from Sections B and C. Section A is compulsory. All questions carry equal marks.

**SECTION—A**

1. Write in brief about :

(i) CBD.

(ii) Name any two National Regulatory Authorities for GMOs.

(iii) What is BCH ?

(iv) Berne Convention.

(v) What are Patent of Addition and Patent of Division ?

(vi) WIPO.

6×2

**SECTION—B**

2. (a) Mention the salient features of Cartagena Protocol on biosafety and why was this protocol established ? 6

(b) Define Biosafety and discuss the criteria for risk assessment. 6



3. Write a detailed note on National Policies on biosafety and how are they implemented ? 12
4. Discuss the procedure for transboundary movement of LMOs intended for direct use. How are they handled, packaged and identified ? 12

### SECTION—C

5. (a) Write short notes on :
  - (i) Berne convention
  - (ii) Copyright. 2×3
- (b) Discuss the main features of TRIPs. What amendments had to be made in the Indian Patent laws after India became the member of TRIPs ? 6
6. (a) What do you understand by prior art search ? Discuss the various sources and data bases from which information on patent can be gathered. 6
- (b) Mention the procedure grant of patent under PCT. 6
7. (a) What are licensing of a patent and scope of Patent Rights ? 6
- (b) How is technology transferred and what is its importance ? 6