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[This question paper contains 4 printed pages.]

6. Write short note on following **(any 3)** : (4×3=12)

Your Roll No.....

(a) TRIPS

(b) Patenting process in India

(c) Institutional Biosafety Committee

(d) Risk assessment and risk management of GMOs

Sr. No. of Question Paper : 7395

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Unique Paper Code : 2533012006

Name of the Paper : Biosafety and Intellectual
Property Rights

Name of the Course : **B.Sc. (Hons.) Microbiology**

Semester / Part : VIII / IV

Duration : 2 Hours

Maximum Marks : 60

Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Attempt any **five** questions.
3. **All** questions carry equal marks.

1. Write the full form and key function of the following **(any 6)** : (2×6=12)

(a) GEAC

(b) BSC

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- (c) RCGM
 - (d) WIPO
 - (e) TKDL
 - (f) LMO
 - (g) AERB
2. (a) Differentiate between the following **(any 2):** (4×2=8)
- (i) Patent and Copyrights
 - (ii) Trademark and Industrial Design
 - (iii) Trade secret and Know-how agreements
- (b) Enlist the rights and duties of a patent owner. (4)
3. (a) Define the following terms **(any 4):** (2×4=8)
- (i) Biosafety
 - (ii) Geographical Indications
 - (iii) Registered Marks
 - (iv) Invention
 - (v) Intellectual property

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- (b) Explain the importance of Traditional Knowledge in IPR. (4)
4. (a) Explain how Cartagena Protocol ensures biosafety? (3)
- (b) Classify the risk group, biosafety levels and containment measures for the following : (6)
- (i) *Mycobacterium tuberculosis*
 - (ii) *Yersinia pestis*
 - (iii) *E. coli*
- (c) The patenting of turmeric or neem is considered as a case of biopiracy. Justify. (3)
5. (a) Discuss advantages of PCT application. (4)
- (b) Explain why Budapest Treaty is important for microbial patents? What are its features? (4)
- (c) Mention the type of IPR associated and duration of protection : (1×4=4)
- (i) Shape of a perfume bottle
 - (ii) Handicraft from specific region
 - (iii) Artistic painting
 - (iv) Diagnostic kit

P.T.O.