

Code No: 07A72303

R07**Set No. 2**

IV B.Tech I Semester Examinations, November 2010
BIO ETHICS, BIO SAFETY AND INTELLECTUAL PROPERTY
RIGHTS
Bio-Technology

Time: 3 hours**Max Marks: 80**

Answer any FIVE Questions
All Questions carry equal marks

1. Salient features of TRIPS [16]
2. Explain the following
 - (a) Use of animals in Biomedical Science
 - (b) Are there alternatives to research involving animals?
 - (c) Are findings from research on animals relevant to humans? [8+4+4]
3. Write short notes on the following
 - (a) Moral rights
 - (b) Originality conundrum [8+8]
4.
 - (a) What are the defenses in the patent law applicable to biotechnology patents.
 - (b) In the case of infringement of a patented process on whom does the burden of proof lie under the TRIPS agreement? [8+8]
5. Explain the following:
 - (a) How to create markets for Biodiversity
 - (b) Policies for Biodiversity. [8+8]
6. Write short notes on the following
 - (a) TRIPS and copyright
 - (b) TRIPS and GI [8+8]
7. Discuss the public perception in the success and failure of rDNA products. [16]
8. Write a short note on the following
 - (a) Applicability of GCP
 - (b) GCP has nothing to do with efficacy-explain [8+8]

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R07**Set No. 4**

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1. What is meant by the following terms as used in the protection of plant varieties and farmer's rights act 2001
 - (a) Farmer
 - (b) Variety
 - (c) Essentially derived variety[6+5+5]
2. Mission and activities of WIPO [16]
3. Give an account on the history of FDA regulations. [16]
4. Explain the following
 - (a) The process of patent application from the date of filing to the grant
 - (b) Sealing of the patent[8+8]
5. Explain the significant role that a precautionary approach plays in promoting Biosafety. [16]
6. Explain the following
 - (a) Engineering the pro-vitamin biosynthetic pathway into rice endosperm.
 - (b) Edible vaccines.[8+8]
7. (a) Discuss the limitations on the rights permitted by Rome convention.
(b) What are the main contributions of the phonogram convention? [8+8]
8. Identify
 - (a) What factors and principles are most important in deciding whether it would be right for a particular nation to invest in a programme of nuclear power?
 - (b) How these factors or principles should be ranked as to importance.
 - (c) What conclusion the operations of those factors suggest.8+4+4]

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R07**Set No. 1**

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RIGHTS

Bio-Technology

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
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1. Write short notes on
 - (a) FAO
 - (b) WIPO[8+8]
2. Write a short note on the following
 - (a) History of GCP and GMP
 - (b) Identify regulations that institutions are faced with in the drug development process.[8+8]
3. Explain the guidelines for labeling of genetically modified foods. [16]
4. Explain the WTO Agreement on trade related aspects of IPR. [16]
5. Explain the following
 - (a) Why do we need an international Biosafety Agreement?
 - (b) What is the precautionary approach? How is it reflected in the protocol?[8+8]
6. Write short notes on the following
 - (a) Benefits of Patent law treaty for the patent applicant.
 - (b) In which situations compulsory license of a patent granted[8+8]
7. Explain the following
 - (a) Animal Transgenesis
 - (b) Are there limits to animal Transgenesis?
 - (c) Do animal feel pain
 - (d) Reason and Morality[4+4+4+4]
8. Copyright in a literary work confers a bundle of rights on the author. What rights make up this bundle? [16]

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R07**Set No. 3**

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Bio-Technology

Time: 3 hours**Max Marks: 80**

Answer any FIVE Questions
All Questions carry equal marks

1. Explain the following
 - (a) What animals are used in research?
 - (b) Areas of research and testing in which laboratory animals are used
 - (c) Are there alternatives to research involving animals? [8+4+4]
2. Explain the best practices and strategies for staying compliance with Good Clinical Practices and Good Manufacturing Practices. [16]
3. Write short notes on benefits of protecting
 - (a) TKDL
 - (b) TCE's [8+8]
4. Write short notes on
 - (a) The key principles underlying the operation of WTO.
 - (b) To what extent WTO principles make economic sense. [8+8]
5. Write short notes on the following
 - (a) Indication of source
 - (b) Appellation of origin [8+8]
6. Write short notes on the following
 - (a) TRIPS agreement and trademarks
 - (b) TRIPS agreement and trade secrets [8+8]
7. Explain the significance of transgenic crops in the third world. [16]
8. Explain the Biosafety and trade issues for developing countries. [16]
