



Name :

Roll No. :

Invigilator's Signature :

CS / M.TECH (BT) / INT. PHD (MOL.BIO-MICRO.BIO) / SEM-3 / MBT-301 / PHMB-304/PHMC-303 / 2010-11

2010-11

IPR & BIOSAFETY

Time Allotted : 3 Hours

Full Marks : 70

The figures in the margin indicate full marks.

*Candidates are required to give their answers in their own words
as far as practicable.*

GROUP – A

(Objective Type Questions)

1. Define any *ten* of the following : 10 × 1 = 10
- i) Intellectual Property Rights
 - ii) Copyright
 - iii) Four pathogens for which precautionary measures are handled at of Biosafety Level 2
 - iv) Patent
 - v) Trade Mark



- vi) Industrial Design
- vii) Trade Secret
- viii) Golden rice
- ix) Geographical Indication
- x) Tradition Knowledge
- xi) Person skilled in the art
- xii) Public Domain
- xiii) Incentive to create
- xiv) Accessibility.

GROUP – B

(Long Answer Type Questions)

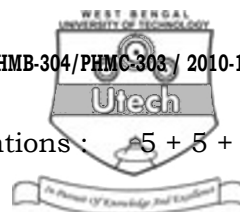
Answer Q.No. 6 and any *three* out of the remaining questions.

$$4 \times 15 = 60$$

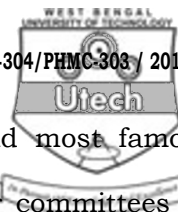
2. Write short notes on the following topics :

$$5 + 5 + 5$$

- i) Novelty
- ii) Inventive Step
- iii) Objectives of Publication.



3. Discuss patentability of the following inventions : 5 + 5 + 5
- a) Aspirin which was used earlier for headache now can be used for preventing blood clotting.
 - b) A mosquito repellent made from neem leaves
 - c) Diagnostic kit for Hepatitis B.
4. a) What are the characteristic features of Patent ?
- b) Why do we insist on Novelty and Inventive Step for granting Patent ?
- c) What are the objectives of granting Patent ? 5 + 5 + 5
5. Discuss patentability of the following inventions : 5 + 5 + 5
- a) MRI machine
 - b) Method of conducting open heart surgery
 - c) A light fitted with a fan.
6. a) Write a short note on Biocontainment.
- b) Explain with proper examples the need of implementing 'Biosafety Level 4'. What precautions have to be taken to maintain this level of Biosafety ?



- c) Define LMO and describe the first and most famous LMO case in detail. Name at least four committees (in full form) who are the authorities to monitor Guidelines and Regulations on the large scale use of GMOs.

2 + (4 + 4) + (1 + 4)

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