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A-48
A-49
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Sardar Patel University
Final Theory Examination, April 2016

PS10CIGIB4/ PS10CIGMB4/ PS10CIGEB4-Biosafety, Bioethics and IPR

Date 5th April 2016, 10.30 am

Total marks: 70

Note:

- 1) Attempt all the questions (including multiple choice questions) which is to be written in the provided answer book only.
- 2) Draw neat and labeled diagram wherever necessary.

Q.I

Multiple choice questions:

(08)

- 1 The first International Statement on the ethics of medical research using human subjects formulated in 1947 was

a) Nuremberg Code	c) Edinberg Code
b) ICMR code	d) Helsinki Declaration
- 2 The Ethical, Legal, and Social Implications (ELSI) program was founded in 1990 as an integral part of the

a) Convention on Biological Diversity	c) Human Stem Cell Research
b) Cartagena Protocol	d) Human Genome Project
- 3 Organisms associated with human diseases, which are rarely serious and therapeutics are often available belong to _____

a) RG1	c) RG3
b) RG2	d) RG4
- 4 Many intellectual property are not patentable they are protected by

a) Trade Marks	c) Copyright
b) Trade Secret	d) All of above
- 5 _____ is a type of patent application for any improvement of invention after making complete specification

a) Additional	c) Divisional
b) Conventional	d) Ordinary
- 6 Specific invention should be filed using

a) Form 1	c) Form 18
b) Form 2	d) Form 5
- 7 Budapest Treaty is for

a) Deposition of microorganism	c) Stopping Bio-piracy
b) Deposition of germ plasma	d) All the above
- 8 Duration of protection of different varieties under PPVFR is _____

a) 10-18 Years	c) 15-18 Years
b) 10-15 Years	d) 5-8 Years

Q.II

Answer the following (Any seven)

(14)

1. Explain the statement "Fairness in Use of Genetic Information" with reference to Human Genome Project.
2. Enlist the criteria for Good clinical practice.
3. What is Genetic determinism?
4. What is Host-vector system?

[P. T. O.]

5. Define Laboratory Acquired Infection. Mention various routes of transmission.
6. Enlist the types of patent applications.
7. What is a Patent infringement?
8. Write down the role of Patent Cooperation treaty.
9. What are Plant Breeder's Rights?
- Q.III (a) Discuss the bioethical conflicts in stem cell research. (06)
(b) Write a note on Human genome project (06)
OR
(b) Discuss ethical Issues in human cloning. (06)
- Q.IV (a) Explain in detail different Biosafety levels according to risk group organisms. (06)
(b) Discuss the role of various Indian agencies regulating biotechnology research in India? (06)
OR
(b) Explain the types of containment. (06)
- Q.V (a) Write down patent application procedure in detail. (06)
(b) What is license? Explain various types of license agreements. (06)
OR
(b) Explain legislation on IPR in India. (06)
- Q.VI (a) Discuss the significance of traditional knowledge and why it is to be protected. (06)
(b) Explain bioprospecting and Biopiracy. (06)
OR
(b) Write a note on WIPO. (06)
