



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY

SIXTH SEMESTER – APRIL 2015

AZ 6605/AZ 6602 - FACETS OF BIO ETHICS

Date : 20/04/2015
Time : 09:00-12:00

Dept. No.

Max. : 100 Marks

PART – A

Answer ALL questions, each in a few words:

(10 × 2 = 20 marks)

01. What is the mandate of the United Nations Human Rights Council?
02. What does the Article 21 of Indian constitution guarantee?
03. What is the difference between global warming and climate change?
04. List any two of the objectives of the Kyoto protocol.
05. Mention any four microorganisms that can be used as biological weapons.
06. What are GMOs?
07. Mention any one future application of HGP.
08. Who is a surrogate mother?
09. What are clinical trials?
10. Expand the following: (i) GLP; (ii) GCP; (iii) NGO; (iv) CFC.

PART – B

Answer any FOUR questions, each in about TWO pages:

(4 × 10 = 40 marks)

11. Briefly discuss the positive ethical implications of human cloning.
12. Define biomagnification. Explain the process with an example. Comment on the ethical issues involved.
13. Comment on National Environmental Appellate Authority, Environmental Tribunal and Green Benches.
14. How is a safety assessment of GM food conducted?
15. Briefly explain any five good clinical practices to be followed in clinical trials.
16. Discuss any five activities carried out by NGOs in India.

PART - C

Answer any TWO questions, each in about 4 pages:

(2 × 20 = 40 marks)

17. Discuss the general good laboratory practices in non-clinical research.
18. Discuss the provisions of Article 21 of Indian Constitution.
19. Write an essay on plant biotechnology and ethics.
20. Write explanatory notes on ethical aspect: (i) Prenatal diagnosis; (ii) Patenting genes; (iii) Bhopal gas tragedy; (iv) Human artificial insemination.

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