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**C.B.S. (Sixth Semester)
EXAMINATION, May - June, 2022**

[PCM-(H-601) A]

Ethics of Science and IPR

Time : Three Hours]

[Maximum Marks:40

Note: Attempt all sections as directed.

(Section - A)

(Objective/Multiple Choice Questions)

(0.5 mark each)

1. The purpose of value education is to
- (A) Foster universe core values
 - (B) Make the syllabus easy
 - (C) Develop values in individuals
 - (D) Both (A) and (C)

P.T.O.

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2. Intellectual Property Rights (IPR) is a process which protects the use of information and ideas that are of:
- (A) Ethical value
 - (B) Commercial value
 - (C) Social value
 - (D) Moral value
3. Which of the following can be patented?
- (A) Machine
 - (B) Process
 - (C) Composition of matter
 - (D) All of the above
4. Which of the following right granted by a government to an inventor to prevent others from the commercial use of his invention.
- (A) Patents
 - (B) Ethics
 - (C) Biosafety
 - (D) Piracy
5. standards are required to evaluate the morality of all human activities.
- (A) Pathological
 - (B) Social
 - (C) Ethical
 - (D) Psychological

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6. GEAC stands for.....
- (A) Genetic Ethical Approval Committee
 - (B) Genetic Engineering Approval Committee
 - (C) Genetic Ethical Active Commission
 - (D) Genetic Engineering Active Commission
7. A written statement of policies and principles that guides the behaviour of all employees is called.
- (A) Ethical dilemma
 - (B) Word of ethics
 - (C) Code of ethics
 - (D) None of the above
8. The three major types of ethical issues include except?
- (A) Individual issues
 - (B) Systematic issues
 - (C) Corporate issues
 - (D) Communication issues
9. The word "Ethics" comes from
- (A) Eternity
 - (B) Ethos
 - (C) Elementary
 - (D) Essentiality

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10. Factor that affects ethical and unethical behaviour.....
- (A) Ethical dilemma
 - (B) Diversity
 - (C) Teamwork
 - (D) Open communication
 - (E) None of these
11. The use of bioresources by multinational companies and other organization without proper authorization from the countries and people concerned without compensatory payment is called:
- (A) Biowapon
 - (B) Bioterror
 - (C) Biopiracy
 - (D) Bioethics
12. Which plagiarism software among the following is a commercial software:
- (A) NET protector
 - (B) Turnitin
 - (C) Copyleaks
 - (D) Viper

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13. Which of the following is a rights of a copyright owner?
- (A) Publish their work and perform their work in public
 - (B) Translate and Broadcast their work
 - (C) Prevent others from making unauthorized use of copyrighted work
 - (D) All of the above
14. Trade Mark Act, came into force on
- (A) 1999
 - (B) 2001
 - (C) 1980
 - (D) 1960
15. How long is patent valid in India?
- (A) 30 Years
 - (B) 20 Years
 - (C) 40 Years
 - (D) 60 Years
16. Plagiarism is:
- (A) Quoting with citation
 - (B) Submitting some other's work as of your own
 - (C) Submitting your own previously published work again
 - (D) (B) and (C) both

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17. Under the TRIPS protection for copyrights is for
- (A) 30 years after the death of the author
 - (B) 50 years after the death of the author
 - (C) 10 years after the death of the author
 - (D) 20 years after the death of the author
18. In India Intellectual Property Rights (IPR) covers.....
- (A) Copyrights
 - (B) Plant varieties
 - (C) Patents
 - (D) All of the above
19. Physical Quality of Life Index (PQLI) defines
- (A) Health, education and environment
 - (B) Infant mortality, life expectancy and adult literacy rate
 - (C) Crime rate, clean environment and quality housing
 - (D) Air pollution, water pollution and sanitation conditions
20. Ethical issues that can affect and engineer's professional and personal life are termed as:
- (A) Rights
 - (B) Morals
 - (C) Micro-ethics
 - (D) Macro-ethics

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Section - B

(Very Short Answer Type Questions)

(0.75 marks each)

Note: Attempt all questions.

1. What is ethics?
2. Define human values?
3. What do you mean by ethical dilemma?
4. What is autonomy in medical ethics?
5. What is Geoethics?
6. Define conflict of interest?
7. What do you mean by code of ethics?
8. What is plagiarism?
9. What is Euthanasia?
10. What is Biopiracy?

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Section - C

(Short Answer Type Questions)

(1.25 marks each)

Note: Attempt all questions.

1. Describe the dimensions of ethics.
2. Write the difference between ethics and morals.
3. What is TRIPS?
4. Briefly describe the types of ethics.
5. Write the principles of bioethics.
6. Briefly describe the need of environmental ethics.
7. Discuss the theory of ethics.
8. Briefly explain the factors that influence research misconduct.
9. Give a brief account on the publication ethics.
10. Write short notes on industrial design.

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Section - D
(Long Answer Type Questions)

(2 marks each)

1. Write notes on the ethics. Explain its types and importance in science.

OR

Describe the history and philosophy of ethics.

2. Briefly explain the organ transplantation and bioethical issues related to it.

OR

Write notes on the medical ethics and its importance.

3. Describe the Intellectual Property Right (IPR), its types and significance.

OR

Write short notes on the following:

- (A) Patent
- (B) Copyright

4. Discuss the role of ethics for the journals and publishers.

OR

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Write short notes on the following:

- (A) Geographical indicators
 - (B) Trade marks
5. Briefly describe the environmental ethics and its component.

OR

Write an essay on the following **(Any two)**

- (A) Plagiarism
- (B) Research ethics
- (C) Issues in internet based education
- (D) History of political economy and modern ethics.

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