PRESIDENCY UNIVERSITY
BENGALURU

SET B

SCHOOL OF LAW
END TERM EXAMINATION - JAN 2024

Semester : Semester I - 2023

Course Code : PGL5001

Course Name : Law and Technology

Program : LMT

Date : 19-JAN-2024

Time : 1:00 PM - 4:00 PM

Max Marks : 100

Weightage : 50%

Instructions:
(i) Read all questions carefully and answer accordingly.
(ii) Question paper consists of 1 part.
(iii) Scientific and non-programmable calculator are permitted.
(iv) Do not write any information on the question paper other than Roll Number.

ANSWER ALL THE QUESTIONS   (10Q X 10M = 100)

1. Explore the ethical implications of scientific discoveries and technological advancements in fields like genetic engineering and surveillance technologies. How can the law effectively address these ethical considerations while promoting the benefits of these technologies?

   (CO1,CO2) [Comprehension]

2. Examine the ethical implications of data mining and profiling in the digital age. How do these practices intersect with privacy concerns, and what measures should be implemented to ensure responsible and ethical data usage?

   (CO2,CO3) [Comprehension]

3. Examine the role of cybersecurity regulations in preventing and mitigating data breaches. How can regulatory measures be improved to keep pace with evolving cyber threats and vulnerabilities.

   (CO3,CO2,CO4) [Comprehension]

4. Analyze the intersection of privacy laws and AI technologies, particularly in the context of facial recognition and biometric data processing. How can legal frameworks balance the benefits of AI with protecting individuals' privacy rights?

   (CO3,CO2,CO4) [Comprehension]

5. Analyze the ethical and legal considerations surrounding the use of artificial intelligence (AI) in decision-making processes, especially in sensitive areas such as criminal justice. How can legal frameworks ensure fairness, accountability, and transparency in AI algorithms?

   (CO3,CO2,CO4) [Comprehension]

6. Assume you are the legal counsel for a company selling innovative tech gadgets online. Describe how you would proactively monitor and enforce trademarks in the e-commerce space to combat counterfeiting and protect the brand reputation.

    (CO2,CO4,CO3) [Application]

7. A tech startup is concerned about protecting its software code from unauthorized use. Discuss the role of copyrights and trade secrets in providing legal safeguards for the company's intellectual property.

    (CO2,CO4,CO3) [Application]

8. As a cybersecurity expert, perform a security assessment on a connected car system, identifying potential vulnerabilities and proposing measures to mitigate cyber threats. Consider the implications of compromised vehicle systems on user safety and privacy.

    (CO3,CO2) [Application]

9. Examine the liability issues associated with autonomous robots and IoT devices. How can legal frameworks establish responsibility in cases of accidents or malfunctions, and what role should manufacturers and users play in ensuring safe and responsible use?

    (CO4,CO2,CO3) [Application]

10. Evaluate the social and ethical implications of advancements in artificial reproductive technologies, including surrogacy and in vitro fertilization. How can bioethics frameworks ensure the responsible use of these technologies while considering the well-being of individuals and families?

    (CO4,CO3,CO2) [Application]