JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- 2026

B.Tech-I Semester (CSE/IT/BT/ECE/CE)

COURSE CODE (CREDITS): 19B1WCI831(3) MAX. MARKS: 15

COURSE NAME: Ethics and Information Technology

COURSE INSTRUCTORS: Dr. Ruchi Verma MAX. TIME: 1 Hour

Note: *(a) All questions are compulsory.*

(b) The candidate is allowed to make Suitable numeric assumptions wherever required for solving problems

(c) Use of calculators is not allowed

Q.No	Question	CO	Marks
Q1	Tavani argues that ethical challenges in cybertechnology often arise from the absence of governing policies rather than from entirely new moral concepts. Differentiate between conceptual vacuums and policy vacuums in the context of software design, data handling, or digital system behavior.	CO1	3
Q2	The Disclosive Method is applied to ethical evaluation of cybertechnologies. Identify the key components of this method and state its relevance for assessing software systems, algorithms, or digital infrastructures whose internal logic and data flows are not transparent to end users.	CO1	3
Q3	A software-driven policy decision maximizes aggregate system efficiency and social utility while conflicting with individual moral duties such as consent or rights protection. Apply Rule Utilitarianism and Act Deontology to this scenario and indicate the central ethical conflict between the two approaches.	CO2	3
Q4	Just Consequentialist Theory addresses ethical limitations that arise when evaluating complex cyber technologies using a single moral framework. State the ethical problem this theory responds to and present two core elements that support its application to computing systems, digital decision-making or networked technologies.	CO2	3
Q5	"Downloading pirated software is morally acceptable because it does not involve physical property and is a widely practiced behavior in digital environments." a) Identify one logical fallacy present in the claim. b) State the reason the claim fails when evaluated using standards of sound reasoning applied to digital goods and software systems.	CO1	3

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