

1285

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -3 EXAMINATIONS- 2026

B.Tech-4th Semester (CSE/IT/BT/ECE/CE)

COURSE CODE (CREDITS): L25B1 WHS434 (3)

MAX MARKS: 35

COURSE NAME: AI and Society

COURSE INSTRUCTOR: Ranjith Kallyani

MAX. TIME: 2 Hours

Note: (a) All questions are compulsory.

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

(c) Use of calculator is not allowed

Please read the nine scenarios provided below. All the questions are based on these scenarios.

- S1. You are on an exchange program in Tokyo. You use a pair of AR glasses that listen to your professor's Japanese lecture and project English subtitles onto your lenses in real-time. The AI is 95% accurate but sometimes mistranslates technical terms.
- S2. You give an AI bot a broad topic (eg: the impact of deep-sea mining) and tell it to find five peer-reviewed sources, summarise them, and notify you only when it finds a source that contradicts your thesis.
- S3. You've written a 2,000-word project report. You paste it into a programme like Quillbot and click "Fix Grammar" and "Check for Tone Consistency." It highlights errors and you click "Accept" or "Ignore" on each one.
- S4. You give an AI bot access to your syllabus and personal calendar. Without you asking, it notices a deadline is approaching and automatically postpones your social events to later in the week, automatically sending "Can't make it" texts to your friends.
- S5. You are stuck on a calculus problem. You take a photo of it. The AI doesn't give you the answer but instead asks, "What do you think the first step is?" and waits for your input before giving a hint.
- S6. An AI runs in the background of your laptop. It records every lecture, categorises your screenshots, and builds a "Second Brain" of your knowledge. When you start a new project, it automatically opens relevant files you forgot you had.
- S7. You are writing Python code for a data science project. As you type, the AI suggests the next three lines of code. You hit the Tab key to accept the suggestions that look correct.
- S8. You set up a bot with your resume and interests. It spends the night scanning thousands of obscure websites, identifies 10 scholarships you qualify for, and drafts the initial applications for you to review in the morning.
- S9. An AI linked to your smartwatch notices your stress levels are spiking and your sleep is declining during finals week. It proactively locks your "non-educational" apps and suggests a 10-minute meditation session.

Q.No	Question	CO	Marks												
Q1	Based on the scenarios provided, make a table in the following format <table><tr><th>Agency Level Agent ↓</th><th>Full Agency</th><th>Medium Agency</th><th>Zero Agency</th></tr><tr><td>Human</td><td></td><td></td><td></td></tr><tr><td>Machine</td><td></td><td></td><td></td></tr></table> You don't have to write entire scenarios. Instead write the codes (S1, S2 etc.)	Agency Level Agent ↓	Full Agency	Medium Agency	Zero Agency	Human				Machine				4	2 *6=12
Agency Level Agent ↓	Full Agency	Medium Agency	Zero Agency												
Human															
Machine															
Q2	Make a table in the following format. Write your justifications precisely. <table><tr><th></th><th>Scenarios (Write codes)</th><th>Justification</th></tr><tr><td>Instrument Based</td><td></td><td></td></tr><tr><td>Testimony Based</td><td></td><td></td></tr><tr><td>Technology Based</td><td></td><td></td></tr></table>		Scenarios (Write codes)	Justification	Instrument Based			Testimony Based			Technology Based			1	2*3=6 marks
	Scenarios (Write codes)	Justification													
Instrument Based															
Testimony Based															
Technology Based															
Q3	Identify one scenario from the list that risks creating an epistemic bubble, and explain why it is not (or not yet) an echo chamber.	2	6												
Q4	Freiman argues that testimony-based beliefs require the following • A testifier with intentions • Be open to normative assessment • Being capable of entering trust relations Choose one scenario where a user might mistakenly believe they are receiving testimony from an AI. Which of Freiman's three conditions is violated, and why?	3	6												
Q5	Identify the specific instances from these scenarios to support Coeckelbergh's arguments about difficulty in belief revisions.	4	5												