

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- 2025

B.Tech- 7th Semester (CSE/IT/ECE/CE/BT/BI)

COURSE CODE (CREDITS): L24B1WHS732(3)

MAX. MARKS: 15

COURSE NAME: Knowledge Systems in Ancient India

COURSE INSTRUCTORS: RTK, ASA, AKS

MAX. TIME: 1 Hour

Note: (a) Attempt any three questions only

Q.No	Question	CO	Marks
Q1	<p>Read the following five cases carefully. Identify which are <i>Vāda</i>, <i>Jalpa</i>, and <i>Vitaṇḍā</i>. Justify your classification with proper <u>argumentation</u>. You don't have to rewrite the entire case in the answer; instead, mention the case references (A, B, C, D, E) only.</p> <p><u>Case A</u> A climate activist presents a scientific consensus, data from multiple sources, and predictions from established climate models to a public forum. A climate denier, with no alternative scientific model, responds by attacking the activist's credentials, citing out-of-context data from obscure websites, and claiming the entire body of climate science is a hoax orchestrated for financial gain. The denier's goal is not to propose a different theory about the climate but to discredit and dismantle the activist's argument entirely, leaving no room for constructive discussion.</p> <p><u>Case B</u> A team of doctors discusses a complex medical case. One doctor suggests a diagnosis of a rare autoimmune disease, while another proposes a more common viral infection. They use patient test results, medical history, and established clinical guidelines to argue their points. The discussion continues until a consensus is reached on the most likely diagnosis, ensuring the patient receives the correct treatment.</p> <p><u>Case C</u> A political debate between two candidates over an economic policy. Candidate A presents a plan for tax cuts, arguing their thesis that this will stimulate the economy and create jobs. Candidate B presents a plan for increased government spending on infrastructure projects, arguing their thesis that this will reduce unemployment and improve public services. They both selectively use data and rhetorical attacks to portray their own plan as perfect and the opponent's as a complete failure, with the sole purpose of winning over voters.</p>	CO2	5

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	<p><u>Case D</u> A public health official explains the safety and efficacy of a new vaccine based on extensive clinical trials and data from regulatory bodies. A conspiracy theorist, with no medical or scientific background, counters by citing unverified anecdotes from social media, claiming the vaccine contains a microchip, and alleging that the pharmaceutical company is hiding a secret agenda. The conspiracy theorist's objective is solely to sow doubt and fear, tearing down the public health official's claims without offering any viable, evidence-based alternative for preventing the disease.</p> <p><u>Case E</u> A group of astrophysicists debates the validity of string theory versus loop quantum gravity as a framework for a unified theory of physics. Both sides present their mathematical models, experimental evidence (or lack thereof), and theoretical predictions. The goal is to determine which framework better explains the fundamental nature of the universe, not for one person to win the argument.</p>		
Q2	<p>Read the following doubts. Identify the one(s) that could be considered as <i>Samśaya</i> of <i>Nyāya</i> tradition. <u>Justify your selection with proper arguments.</u></p> <ol style="list-style-type: none"> 1. What is the practical path to realizing the truth of "I am Brahman" (<i>Aham Brahmasmi</i>) in daily life, beyond mere intellectual understanding? 2. When does the perceived world cease to be just an appearance (<i>Mithya</i>) and reveal its true nature as ultimate reality (<i>Brahman</i>)? 3. Is dark matter a new type of particle or a modification of gravity? 4. How can we solve the climate crisis with advanced technologies? 5. Isn't AI a new form of intelligence than a replication of human intelligence? 6. Will it be possible to reconcile General Relativity and Quantum Mechanics with a single theory? 7. How does the subjective experience of consciousness emerge from the physical brain? 8. How can the individual self, bound by suffering and karma, achieve liberation (<i>Moksha</i>)? 	CO4	5
Q3.	Identify the positive causes in the <i>Samśaya</i> " <i>Idam Vastu Purushatva Stambhatva</i> ". Are positive causes required for the doubts in modern science?	CO2	5
Q4.	Imagine a situation where a proponent of the Flat Earth movement attends a formal astrophysics conference. At this gathering of leading scientists, the individual raises a doubt "Is earth flat or oblate spheroid". Can this be a <i>Samśaya</i> according to <i>Nyāya</i> tradition? <u>Justify your answer based on the concept of <i>Prajojana</i>.</u>	CO2	5
Q5	Gadamer calls the eastern societies as hieratic. What does this mean? How does Sundar Sarukkai respond to this allegation?	CO3	5