

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -2 EXAMINATIONS- 2025

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

COURSE CODE (CREDITS):18B11HSS511 (3)

MAX. MARKS: 25

COURSE NAME: Project Management and Entrepreneurship Development

COURSE INSTRUCTORS:Prof. Anupriya kaur & Dr Tanu Sharma

MAX. TIME: 1 Hour 30 Min

Note: (a) All questions are compulsory. (b) Calculators allowed

Q.No	Question	CO	Marks																																							
Q1	Draw an AOA network, identify all path timing and the critical path <table><tr><td>Activity</td><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>F</td><td>G</td><td>H</td><td>I</td><td>J</td><td>K</td><td>L</td></tr><tr><td>Precedence</td><td>-</td><td>-</td><td>-</td><td>A, B</td><td>B</td><td>B</td><td>C, F</td><td>B</td><td>E, H</td><td>E, H</td><td>C, E, D, J</td><td>K</td></tr><tr><td>Duration(days)</td><td>6</td><td>4</td><td>10</td><td>1</td><td>1</td><td>3</td><td>14</td><td>6</td><td>9</td><td>2</td><td>7</td><td>5</td></tr></table>	Activity	A	B	C	D	E	F	G	H	I	J	K	L	Precedence	-	-	-	A, B	B	B	C, F	B	E, H	E, H	C, E, D, J	K	Duration(days)	6	4	10	1	1	3	14	6	9	2	7	5	CO[4]	6
Activity	A	B	C	D	E	F	G	H	I	J	K	L																														
Precedence	-	-	-	A, B	B	B	C, F	B	E, H	E, H	C, E, D, J	K																														
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Q2	Draw an AON network. Identify critical path. Compute early start, latest start, early finish and latest finish of all activities and their slacks. Display your calculations neatly on the network and also in a table. <table><tr><th>Activity</th><th>Predecessor</th><th>Time (weeks)</th></tr><tr><td>A</td><td>...</td><td>5</td></tr><tr><td>B</td><td>....</td><td>3</td></tr><tr><td>C</td><td>....</td><td>6</td></tr><tr><td>D</td><td>.....</td><td>7</td></tr><tr><td>E</td><td>A</td><td>5</td></tr><tr><td>F</td><td>A,C</td><td>6</td></tr><tr><td>G</td><td>B,C</td><td>10</td></tr><tr><td>H</td><td>B</td><td>5</td></tr><tr><td>I</td><td>F,D,H</td><td>4</td></tr></table>	Activity	Predecessor	Time (weeks)	A	...	5	B		3	C		6	D		7	E	A	5	F	A,C	6	G	B,C	10	H	B	5	I	F,D,H	4	CO[4]	6									
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I	F,D,H	4																																								
Q3	Project termination refers to the formal conclusion of a project, whether it's completed successfully or halted prematurely. Discuss the four main types of project termination (cite examples) each with distinct characteristics.	CO[3]	5																																							
Q4.	What are the key differences between top-down and bottom-up budgeting in project management, and how do these approaches impact cost estimation accuracy and team involvement?	CO[3]	4																																							
Q5	What are the three primary types of project control in project management, and how does each contribute to ensuring project success?	CO[3]	4																																							