

QUESTION BANK

UNIT-IV

Unit-IV SHORT ANSWER QUESTIONS.				
1	Give the basic aspects that work study takes care of.	CO4	L2	1,3,6,7
2	Explain Ishikawa's Fish bone diagrams? What are its applications?	CO4	L2	1,3,6,7
3	What is allowance? What are the different types of allowances to be considered in establishing standard time?	CO4	L3	1,3,6,7
4	State the advantages and limitations of stopwatch time over work sampling.	CO4	L2	1,3,6,7
5	Explain working principle of double sampling plan with a flow chart.	CO4	L3	1,3,6,7
6	Draw a simo chart for in setting a letter in an envelope and sealing it.	CO4	L3	1,3,6,7
7	What do you understand by a flow process chart explain.	CO4	L3	1,3,6,7
8	Explain different charts and diagrams which are used in method study?	CO4	L1	1,3,6,7
1	Define the terms Job Description and Evaluation.	CO5	L1	1,3,6,7
2	Explain the meaning and concept of crashing in network technique.	CO5	L1	1,3,6,7
3	State the advantages of job evaluation.	CO5	L2	
4	What is meant by crashing? How is it done?	CO5	L1	1,3,6,7
5	What do you mean by performance appraisal? Discuss its need and importance in an organization?	CO5	L1	1,3,6,7
6	What do you mean by PERT and CPM? What are their uses in managerial planning and control?	CO5	L3	1,3,6,7
7	What do you mean by job evaluation? How does it differ from performance appraisal?	CO5		
8	What do you mean by PERT and CPM? What are their uses in managerial planning and control?	CO5	L2	1,3,6,7

your roots to success...

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1	Describe briefly the factor comparison method of job evaluation.	CO5	L3	1,3,6,7																																											
2	A project PERT network has only three possible paths, P-R, P-S-U, and Q-T-U. The activities, along with their expected time and standard deviations, are represented in ordered pairs as P(8, 2), Q(16, 4), R(15, 3), S(14, 2), T(5, 2), and U(5, 1). Develop the network and find the probability of completing the project in 25 days.	CO5	L3	1,3,6,7																																											
3	List out various methods of job evaluation. Explain any two them in detail.	CO5	L2	1,3,6,7																																											
4	What are the benefits of job evaluation and its limitations?	CO5	L2	1,3,6,7																																											
5	Projects involve direct as well indirect costs and project managers need to use the information in project management. Comment on this statement	CO5	L3	1,3,6,7																																											
6	<table border="1"> <thead> <tr> <th rowspan="2">Activity</th> <th rowspan="2">Immediate Predecessors</th> <th colspan="3">Times(days)</th> </tr> <tr> <th>Optimistic time</th> <th>Most likely time</th> <th>Pessimistic time</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>-</td> <td>10</td> <td>22</td> <td>28</td> </tr> <tr> <td>B</td> <td>A</td> <td>4</td> <td>4</td> <td>10</td> </tr> <tr> <td>C</td> <td>A</td> <td>4</td> <td>6</td> <td>14</td> </tr> <tr> <td>D</td> <td>B</td> <td>1</td> <td>2</td> <td>3</td> </tr> <tr> <td>E</td> <td>C</td> <td>1</td> <td>5</td> <td>9</td> </tr> <tr> <td>F</td> <td>C,D</td> <td>7</td> <td>8</td> <td>9</td> </tr> <tr> <td>G</td> <td>E,F</td> <td>2</td> <td>2</td> <td>2</td> </tr> </tbody> </table> <p>Consider design and development of a new executive health checkup for</p>	Activity	Immediate Predecessors	Times(days)			Optimistic time	Most likely time	Pessimistic time	A	-	10	22	28	B	A	4	4	10	C	A	4	6	14	D	B	1	2	3	E	C	1	5	9	F	C,D	7	8	9	G	E,F	2	2	2	CO5	L2	1,3,6,7
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	preventive health care for senior executives. Develop a two level work breakdown structure for this project?																																														
7	A workshop shed construction project is composed of five jobs as P (foundation and walls), Q (roofing), R (install electricity), S (plumbing), and T (connect services to finish). Activity P must precede all others while activity T must follow all others. Apart from this, jobs can run concurrently. The normal cost in thousands of rupees per day and crash cost in thousands of rupees per day for the activities are given in the form X (Nc/ Nt,Cc/Ct)where(Nc is Normal cost ,Nt is Normal time; and Cc is Crash cost ,Ctis Crashtime)asP(60/10;80/8),Q(24/12,40/4),R(20/8,36/6),S(24/10,40/6),and T (32/6, 32/6). Draw the network and AON diagrams and identify the critical path. Also, crash the network fully to find out the minimum duration and optimum cost. Given is indirect costs as Rs. 6000/day.	CO5	L3	1,3,6,7																																											
8	The following represents a project that should be scheduled using PERT a) Draw the network b) What is critical path & the expected project completion time c)What is the probability of completing this project within 35 days.	CO5	L3	1,3,6,7																																											