BME654A

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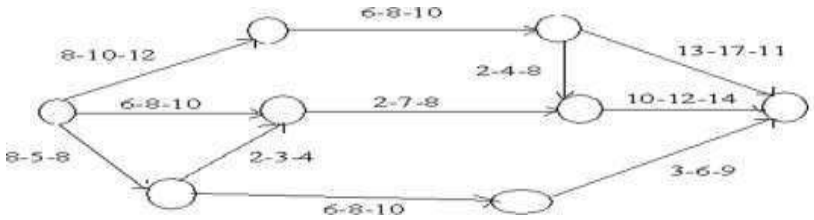
Model Question Paper 2022-23 (CBCS Scheme)
Sixth Semester B.E. Degree Examination (Mechanical Engineering)

PROJECT MANAGEMENT

TIME: 03 Hours **Max.Marks:100**

Note: 1. Answer any FIVE full questions, choosing at least ONE question from each MODULE
2. M: Marks, L: Bloom's level, C: Course outcomes.

		MODULE-1	M	L	C
Q1	(a)	Explain the characteristics of project.	**10**	L2	CO1
	(b)	Briefly explain methods for project selection.	**10**	L3	CO1
		OR			
Q2	(a)	Discuss strategic planning of projects.	**10**	L2	CO1
	(b)	Explain the phases of project life cycle curve.	**10**	L2	CO1
		MODULE-2			
Q3	(a)	Explain briefly the Work breakdown structure WBS with an example.	**10**	L2	CO2
	(b)	Discuss the project scope checklist.	**10**	L2	CO2
		OR			
Q4	(a)	Explain the Process in developing a project schedule.	**10**	L2	CO3
	(b)	Explain the significance of the Gantt chart. How it helps in overcoming uncertainty of projects.	**10**	L3	CO3
		MODULE-3			
Q5	(a)	Discuss project team composition issues,	**10**	L2	CO4
	(b)	Discuss a) Risk Management b) Cost estimating planning in project management	**10**	L2	CO4
		OR			
Q6	(a)	Discuss a) Cost planning b) risk analysis c) risk response planning in project management	**10**	L2	CO4
	(b)	What do you mean by project base line? Discuss the Benefits of a project baseline	**10**	L2	CO4

<table>
<tr><td colspan="6">MODULE-4</td></tr>
<tr><td rowspan="2">Q7</td><td>(a)</td><td>Briefly Discuss the project partnering, collaboration and its parameters.</td><td>10</td><td>L2</td><td>CO5</td></tr>
<tr><td>(b)</td><td>Write a short note on (i) Balanced Scorecard (ii)Termination</td><td>10</td><td>L2</td><td>CO6</td></tr>
<tr><td colspan="6">OR</td></tr>
<tr><td rowspan="2">Q8</td><td>(a)</td><td>Explain The Basic Components of Supply Chain Management.</td><td>10</td><td>L2</td><td>CO4</td></tr>
<tr><td>(b)</td><td>Explain the types of contracts.</td><td>10</td><td>L2</td><td>CO5</td></tr>
<tr><td colspan="6">MODULE-5</td></tr>
<tr><td rowspan="2">Q9</td><td>(a)</td><td>Discuss the Rules in constructing network.</td><td>10</td><td>L2</td><td>CO7</td></tr>
<tr><td>(b)</td><td> 

Calculate variance for each activity</td><td>10</td><td>L3</td><td>CO7</td></tr>
<tr><td colspan="6">OR</td></tr>
<tr><td rowspan="2">Q10</td><td>10(a)</td><td>Differentiate between CPM and PERT</td><td>10</td><td>L2</td><td>CO7</td></tr>
<tr><td>10(b)</td><td>
<table>
<tr><th>Activity</th><th>TIME</th><th>Activity</th><th>TIME</th><th>Activity</th><th>TIME</th></tr>
<tr><td>(1, 2)</td><td>10</td><td>(4, 6)</td><td>7</td><td>(5, 8)</td><td>6</td></tr>
<tr><td>(1, 3)</td><td>8</td><td>(3, 7)</td><td>16</td><td>(6, 9)</td><td>5</td></tr>
<tr><td>(1, 4)</td><td>9</td><td>(5, 7)</td><td>7</td><td>(7, 10)</td><td>12</td></tr>
<tr><td>(2, 5)</td><td>8</td><td>(6, 7)</td><td>7</td><td>(8, 10)</td><td>13</td></tr>
<tr><td></td><td></td><td></td><td></td><td>(9, 10)</td><td>15</td></tr>
</table>
Determine the critical path for the above data.</td><td>10</td><td>L3</td><td>CO7</td></tr>
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