Registration No:

Total Number of Pages: 02 M.Tech. P1CTBC04

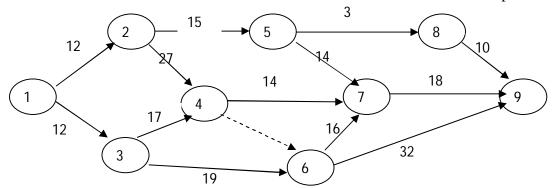
1<sup>st</sup> Semester Regular/Back Examination 2017-18
PROJECT PLANNING AND MANAGEMENT
BRANCH: CONSTRUCTION TECH. AND MANAGEMENT

Time: 3 Hours Max Marks: 100 Q.CODE: B1026

Answer Question No.1 which is compulsory and any FOUR from the rest.

The figures in the right hand margin indicate marks.

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Q1	a) b) c) d) e) f) g) h) i)	What is project management plan? Give an example. What do you understand by total float? Why project control is important? What is Work Breakdown Structure? Distinguish between an activity and an event.		
Q2	a) Define project planning and scheduling. Differentiate between the two terms What makes planning and scheduling construction projects different from general planning?			(10)
	b)	<ul> <li>List the benefits of CPM scheduling in construction projects from the contractor's perspective</li> <li>Owner's perspective</li> </ul>		(10)
Q3	a) b)	1-2 1-3 2-3 2-4 3-5 3-6 4-5 5-7	Three time Estimates (days) 6-10-14 5-7-15 3-5-7 4-7-16 1-2-3 3-6-15 0-0-0 2-10-12	(10)
Q4	a) b)	Write the sources of claims, and causes of disputes. Write short notes on: a) disputes resolution by conciliation b) utility of arbitration in construction contracts		(10) (10)
Q5	a) b)	What is the difference between the time estimates of a PERT activity and a CPM activity? Calculate all activity times of the following CPM network and hence obtain critical path and project duration (in days).		(6) (14)



- Q6 a) Discuss resource allocation, resource leveling and resource smoothing process. (10)
  - Propose how the effective use of project management software can help an organisation manage its projects throughout each stage of the project life cycle.
- Q7 a) Discuss the importance of inventory management in material management. (10)
  - b) Write short notes on: (10)
    - a) ABC analysis
    - b) EOQ model