

Registration no:

--	--	--	--	--	--	--	--	--	--

Total Number of Pages: 2

M-TECH  
MT326

3<sup>rd</sup> Semester Regular / Back Examination – 2016-17

Project Planning & Construction Management

BRANCH(S): M Tech

Time: 3 Hours

Max marks: 70

Q.CODE: Y829

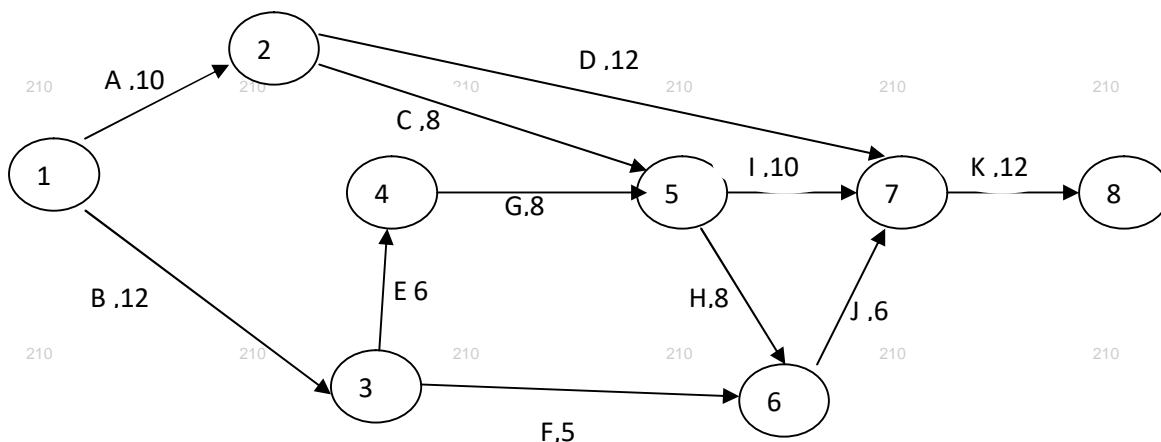
Answer Question No.1 which is compulsory and any five from the rest.  
The figures in the right hand margin indicate marks.

Q1 Answer all the questions (2 x 10)

- What are the objectives of planning?
- What is WBS?
- What do you mean by liquidated damage?
- How useful is resource leveling process?
- Why it is required to maintain Safety records in construction industry?
- What are the factors that affect site layout?
- What do you mean by direct cost and indirect cost?
- What is the difference between security deposit and earnest money?
- What is safety campaign?
- What is Trade union Act-1926?

Q2 a) Write objective of construction management. (5)  
b) Write importance of project scheduling in brief. (5)

Q3 For the following network find (10)



- Q4 Determine the optimum time and minimum cost for project with the following data: (10)  
The direct cost per day is Rs. 400/-

Activity	Normal		crash	
	Time (Days)	Cost (Rs.)	Time (Days)	Cost (Rs.)
1-2	9	1300	4	2400
1-3	15	1000	13	1380
2-3	7	7000	4	1540
2-4	7	1200	3	1920
2-5	12	1700	6	2240
3-6	12	600	11	700
4-5	6	1000	2	1600
5-6	9	900	6	1200

- Q5 a) Briefly discuss the procedure for inviting a bid. (5)  
b) What is arbitration? What are the advantages and disadvantages of arbitration? (5)
- Q6 a) Describe briefly the safety measures during Formwork and Scaffold operations in construction industry. (5)  
b) Explain causes and prevention of accidents at construction sites. (5)
- Q7 a) What do you understand by site layout? What are the factors affecting the site layout? (5)  
b) Describe briefly about the Supervisor's responsibilities for quality control in construction industry. (5)
- Q8 Write short notes of any two: (5 x 2)  
a) PERT  
b) Minimum wage act 1948  
c) Termination of contract  
d) Lump sum contract