	ADAMAS UNIVERSITY		
	END (EVEN) SEMESTER EXAMINATION : MAY 2021		
	(Academic Session: 2020 – 21)		
Name of the Program:	B.Tech.	**Semester:**	VIII
Paper Title :	Construction Planning & Management	**Paper Code:**	ECE44104
Maximum Marks :	40	**Time duration:**	3 Hrs.
Total No of questions:	08	**Total No of Pages:**	02
	Instruction to the Candidate: **1.** At top sheet, clearly mention Name, Univ. Roll No., Enrolment No., Paper Name & Code, Date of Exam. **2.** All parts of a Question should be answered consecutively. Each Answer should start from a fresh page. **3.** Assumptions made if any, should be stated clearly at the beginning of your answer.		

Answer all the Groups

Group A

Answer all the questions of the following   **5 × 1 = 5**

1.   **a)** State different types of concrete batching equipment.
        b) Name some suitable equipment for excavating solid rocks.
        c) What is the expected life of a wheel tractor?
        d) Which network diagram is called activity oriented network?
        e) Recall are the informations obtained from Gantt Chart?

GROUP –B
(**Short Answer Type Questions**)
Answer *any three* of the following   **3 × 5 = 15**

2.   Discuss Project Scheduling.
3.   Illustrate the criteria of means of access regarding a plot for construction of building.
4.   What are the shortcomings of a bar chart?
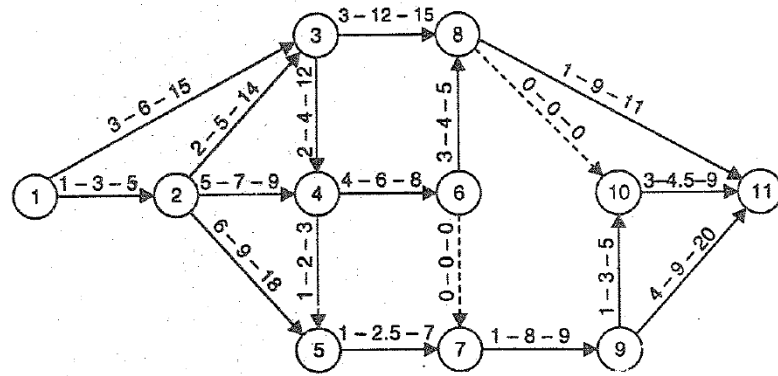**5.**   What are the different types of handling equipments?

GROUP –C
(**Long Answer Type Questions**)
Answer *any two* of the following   **2 × 10 = 20**

6.   Find out the critical path from the following network diagram.

7. What is WBS? How is this helpful in planning, monitoring and controlling the programme of projects? [4+6=10]

8. a) What are the factors affecting Pile Driving Equipment? [3+7=10]
   b) A construction project consists of 12 activities. The predecessor relationships are identified by their node numbers as indicated below:

Activity	A	B	C	D	E	F	G	H	I	J	K	L
Identification	(1,2)	(2,4)	(2,3)	(2,7)	(3,4)	(3,5)	(4,6)	(5,6)	(5,7)	(7,8)	(6,8)	(8,9)

Draw the network diagram.

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