Code: P18CEE08

R18

HALL TICKET NUMBER

PACE INSTITUTE OF TECHNOLOGY & SCIENCES::ONGOLE
(AUTONOMOUS)
IV B.TECH I SEMESTER END SUPPLEMENTARY EXAMINATIONS, MARCH-2023
CONSTRUCTION TECHNOLOGY AND MANAGEMENT
(CE Branch)

Time: 3 hours   Max. Marks: 60

Note: Question Paper consists of Two parts (Part-A and Part-B)

PART-A
Answer all the questions in Part-A (5X2=10M)

Q.No.		Questions	Marks	CO	KL
1.	a)	What is dummy activity?	[2M]	1	1
	b)	Write the objectives of cost analysis.	[2M]	2	1
	c)	List out the types of compaction rollers.	[2M]	3	1
	d)	Differentiate the application of graders and scrapers.	[2M]	4	2
	e)	What is the difference between BIM and CAD?	[2M]	5	1

PART-B
Answer One Question from each UNIT (5X10=50M)

Q.No.		Questions	Marks	CO	KL
		UNIT-I			
2.		Calculate the critical path and all the floats by constructing activity on branch network.	[10M]	1	3

Activity	A	B	C	D	E	F	G
Predecessor	-	A	A	A	D	C,E	D,F
Duration (Days)	3	6	16	10	8	5	3

Q.No.		Questions	Marks	CO	KL
		OR			
3.	a)	Explain in detail about resource-oriented scheduling.	[5M]	1	2
	b)	Discuss the qualities of a project manager.	[5M]	1	2
		UNIT-II			
4.		Discuss the importance of using PRIMAVERA software in construction project management.	[10M]	2	2
		OR			
5.		What is meant by crashing for optimum cost? Explain with suitable example.	[10M]	2	1
		UNIT-III			
6.		Describe in detail about the earthwork equipments.	[10M]	3	2
		OR			
7.		Explain in detail about the trucks and handling equipments.	[10M]	3	2
		UNIT-IV			
8.		Discuss in detail about the concrete mixers.	[10M]	4	2
		OR			
9.		Enumerate the different types of crushers and its applications.	[10M]	4	1
		UNIT-V			
10.		Explain in detail about the fabrication and erection methods in construction.	[10M]	5	2

		OR			
11.		Describe in detail about the quality control and safety engineering.	[10M]	5	2

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