Sanjay Ghodawat University, Kolhapur

2020-21

Established as State Private University under Govt. of Maharashtra. Act No XL, 2017

EXM/P/09/00

Year and Program: Final Year B.Tech	**School of Technology**	**Department: Civil Engineering**
Course Code: CET429	**Course Title: Construction Methods and Equipment**	**Semester : VII**
Day : Thursday **Date : 04/03/2021**	**End Semester Examination**	**Time : 2 Hrs.** **Max Marks : 50**

Question Paper

Instructions: 1) All Questions are compulsory.

		Marks	Bloom's Level	CO
Q.1	**Answer the following (any Two)–**			
a)	State the importance of rehabilitation of bridge with nessessity and methods of strengthening.	8	3	1
b)	Explain the methods of assessment of bridge.	8	2	1
c)	Write a note on 1. Preservation of Bridge 2. Diaphragm	8	3	2
Q.2	**Answer the following (any two) –**			
a)	Explain the operation of thermal power station with their advantages & disadvantages.	8	3	2
b)	Explain the types of the trencher with neat sketch	8	2	3
c)	State the importance of matching of excavating and hauling equipment in major construction projects and how is it carried out?	8	4	3
Q.3	**Answer the following (any two) –**			
a)	Explain the working of back hoe with neat sketch. Discuss the factors affecting the Output of back hoe.	9	4	4
b)	Explain with suitable examples and reasons, how the selection of compaction equipment depends upon the type of soil.	9	4	4
c)	Write a note on – a. Tractor b. Bulldozer c.Vibratory plates, Vibrotory Compaction	9	4	4

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