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: T.Y.B.Tech	**School of Technology**	**Department: Civil**
Course Code: CET 341R1	**Course Title: Advanced Concrete Technology**	**Semester : V**
Day : Tuesday **Date : 06.07.2021**	**End Semester Examination**	**Time : 2 Hrs.** **Max Marks : 50**

Instructions: 1) All Questions arecompulsory.
2) Assume suitable data wherever necessary.

			Marks	Bloom's Level
Q.1		**Answer the following (any Two)**–		
	a)	Explain constituent materials and role of constituents in concrete.	8	L2
	b)	Clarify different properties of light weigh concrete	8	L_3
	c)	What is light weight aggregate? Explain any two types.	8	L_3
Q.2		**Answer the following (any two) –**		
	a)	Describe the strength and behavior of Ferro cement in compression	8	L_3
	b)	Clarify the properties of FRC. Also explain application of FRC in the field of civil engineering.	8	L_3
	c)	Explain properties of high density concrete in fresh and hardened concrete.	8	L_3
Q.3		**Answer the following (any two) –**		
	a)	Explain the following a) Ready mixed concrete b) Reactive powder concrete	9	L2
	b)	Describe mix proportioning and properties of high performance concrete.	9	L3
	c)	Clarify in detail procedure for underwater concreting.	9	L3

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