

G.R. No.	
----------	--

OCTOBER 2018/ IN-SEM (T2) U218-115(T2)

S. Y. B. TECH. (CIVIL) (SEMESTER - I)

COURSE NAME: CONCRETE TECHNOLOGY

COURSE CODE: CVUA21175

(PATTERN 2017)

Time: [1 Hour]

[Max. Marks: 30]

(*) Instructions to candidates:

- 1) Answer Q.1 OR Q.2 and Q.3 OR Q.4.
- 2) Figures to the right indicate full marks.
- 3) Draw sketches whenever required

Q.1) a) Compare light weight concrete and high strength concrete. [6 marks]

b) What are the basic properties of fibre – reinforced concrete which can be advantageously made use of in the design of structural elements? [6marks]

c) List out the NDT test? [4 marks]

OR

Q.2) a) Evaluate long term properties of high strength concrete? Compare them with those of conventional concrete. [6 marks]

b) List the differences between polymer – impregnated concrete, polymer –modified concrete, and polymer concrete. [6 marks]

c) Write a detail note on Ultrasonic pulse velocity. [4 marks]

Q.3) a) Distinguish between Tilting, Non tilting and Reversible drum mixer [6 marks]

b) Write about hot weather concreting [4 marks]

c) What is the use of chute in concreting? [4 marks]

OR

Q.4) a) What are the methods of transportation of concrete? Explain any 5 of them. [6 marks]

b) What are the special precautions to be adopted on the site for efficiently using ready mixed concrete? [4 marks]

c) Describe the Methods of construction of Ferrocement [4 marks]