Total No. of Questions – [06]

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G.R. No.		***************************************

P111-221/DE/BSE

P111-221 END-SEM

F. Y. M. TECH. (WREE) (SEMESTER - I)

COURSE NAME: Water Resources System Planning

COURSE CODE: (CVPA11201)

(PATTERN 2020)

3.00 Hours Time: [2.30 Hour]

[Max. Marks: 60]

- (*) Instructions to candidates:
- 1) All questions are compulsory.
- 2) Figures to the right indicate full marks.
- 3) Use of scientific calculator is allowed.
- 4) Use suitable data where ever required.

Q.1)	Consider any major 3 states in India and elaborate how spatial as well	10
	as temporal characteristics of water resources vary region to region in	10
	India and its impact on the agricultural sector?	
Q.2)	Write different water distribution policies for three sectors: private,	10
	industrial and domestic with suitable examples.	
Q.3)	In which particular situation an Earthen Nala Bund can be constructed	10
	as small water conservation structure? What are the site selection	2
	criteria and design norms of ENB?	
Q.4)	What is reservoir sedimentation? How it is harmful for a life of any	10
	dam? What are the measures to control the reservoir sedimentation?	
-		
Q.5)	Define: Initial cost, Recurring cost, sunk cost. What are the Tangible	10
	and intangible benefits? What are incremental benefits and incremental	
	costs?	
	₩	
Q. 6)	What is inter basin transfer of water? Explain in depth with its	10
	feasibility norms, advantages and disadvantages. Explain any one	
	failure case study of inter basin transfer.	