M. Tech.-IV (Civil-Hydraulic Engineering) (CBCS – 2015 Course) : SUMMER - 2019

SUBJECT: SELF STUDY PAPER – II RIVER ENGINEERING

Day: Date:		ursday /06/2019	Time: 11.00 AM To Max Marks.: 60		PM
N.B.	:				
	1) 2) 3) 4)	Figures to Answer	tions are COMPULSORY. o the right indicate FULL marks. to both the sections should be written suitable data, if necessary.	in SAME Answer book.	
			SECTION - I	1	
Q.1	a) b)		etch of oxbow lake and explain the for e characteristics of river in hilly reach?	•	(06) (04)
Q.1	a) b)		OR in forms of rivers developed? Briefly ex between characteristics of meandering	-	(05) (05)
Q.2	a) b)				(06) (04)
Q.2	a) b)		OR you ascertain that the river is in regime rameters in regime relations.		(06) (04)
Q.3					(10)
Q.3	a) b)		OR etors leading to aggradations in rivers. In neat sketches the effect of aggradation		(06) (04)
			SECTION - II		
Q.4	a) b)		plain criteria for site selection of the ba effect of bridge on river bed and water OR		(06) (04)
Q.4	a)		xplain factors to be considered while	locating intake structure in a	(06)
	b)	river reach. Describe the	e design parameter for weirs.		(04)
Q.5	a) b)	A river is fl	ectives of river training works. owing through habitat on both the ban be adopted to confine the flow in speci	nks. Explain the river training	(06) (04)
Q.5	a)	functioning.	e necessity to provide river improve	-	(05)
	b)	Explain with	n a neat sketch river training works for	a barrage.	(05)
Q.6	a) b)	•	cessary to carry out river dredging? cts of dredging on river equilibrium. OR		(05) (05)
Q.6	a) b)		ages and disadvantages of river navigan sketch commonly adopted structures		(05) (05)

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