TED (10)	) 4002 Reg. No	
(REVISION	4—2010) Signature	
FOU	URTH SEMESTER DIPLOMA EXAMINATION IN CIVIL ENGINEERII OCTOBER, 2014	NG—
	IRRIGATION ENGINEERING	
	[Tin	ne: 3 hours
	(Maximum marks: 100)	(
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	configuration of a life than quality between the grants and	
	PART—A (Maximum marks: 10)	1
	- Constitution and demonstrates with consciously on or unities. A constitution	Marks
I A	answer all questions in one or two sentences. Each question carries 2 mark	s.
1.		
2.	Differentiate lift irrigation and flow irrigation.	
3.	. Explain usage of drainage gallery.	
4.	. Explain base period.	
5.	. Explain surplus escape.	(5×2=10)
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	PART—B	
II A	(Maximum marks : 30)	
II A	answer any five of the following questions. Each question carries 6 marks.  Explain factors effecting runoff.	
2.		
3.		
4.		
5.		
6.		
	. Explain various types of river training and protection works.	(5×6=30)
1		
11.0	PART—C	
	(Maximum marks : 60)  Answer one full question from each unit. Each full question carries 15 math	ke )
,	Answer one full question from each unit. Each full question carries 15 mark	No.)
III (a	a) Explain different methods for measuring velocity of flow in a river.	7
	b) Explain different type of rain gauges.	8

OR

[141]

		IN CONTRACTOR OF THE PROPERTY	arks
IV	(a)	Explain duty, delta and base period. Also establish relation between them.	7
	(b)	List advantages and disadvantages of irrigation.	8
		Unit—II	
V	(a)	Explain different types of head works.	7
	(b)	Differentiate barrage and weir.	8
		OR	
VI	(a)	Explain percolation gradient and effect of percolation on irrigation works	7
	(b)	Explain scouring and silting and remedies to reduce them.	8
		Unit—III	
VII	(a)	What are the points to be considered for site selection for a reserviour?	7
1	(b)	What are causes of failure of earth dam?	8
		OR	
VIII	(a)	What are the causes of failure of gravity dam?	7
	(b)	Explain with sketch practical profile of a gravity dam.	. 8
		Unit—IV	
IX	(a)	State classification of canals and explain.	7
	(b)	Explain the terms canal linings and different methods of canal lining.	8
		OR	
X	(a)	What are the causes of soil erosion and explain preventive methods to reduce soil erosion?	7
	(b)	Describe with sketch aqueduct and super passages.	8