Seat No.:	Enrolment No
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GUJARAT TECHNOLOGICAL UNIVERSITY

PDDC - SEMESTER-VII • EXAMINATION - SUMMER 2014

Subject Code: X70602		Code: X70602 Date: 30-05-2014	Date: 30-05-2014	
Subj	ect l	Name: Dock, Harbour and Airport Engineering		
Time	e: 02	2.30 pm - 05.00 pm Total Marks: 70		
Instru	ction	is:		
		Attempt all questions.		
		Make suitable assumptions wherever necessary.		
	3.	Figures to the right indicate full marks.		
Q.1	(a)	Classify the various type of airport.	07	
Ų.I	(b)	What are the types of imaginary surface? Describe with sketch.	07	
Q.2	(a)	What is wind rose diagram? Explain the types with its utility.	07	
	(b)	Explain the types of corrections to be applied for basic run way length. OR	07	
	(b)	What are the factors affecting runway capacity? Explain.	07	
Q.3	(a)	How is the provision of parking of vehicles made at the airport?	07	
	(b)	Differentiate between runway marking and shoulder marking.	07	
Q.3	(a)	OR Explain wings, propeller, jet blast.	07	
Q.J	(a) (b)	Explain the significance of air transportation compare to other modes of transportation.	07	
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Q.4	(a)	Explain methods of mound construction.	07	
	(b)	Write short note on Chennai port.	07	
0.4	()	OR	05	
Q.4	(a)	What do you understand by repair docks? Explain types of repair docks.	07	
	(b)	What are the advantage and disadvantage of water transportation?	07	
Q.5	(a)	Explain with sketch about wharf and jetties.	07	
	(b)	What are the floating docks? Give advantage and dis advantages.	07	
	. ,	OR		
Q.5	(a)	Explain about the transit sheds with sketch.	07	
	(h)	Enlist the types of dredges. Explain any one with sketch	07	
