it 3 sem object oriented programming methodology dec 2015 QP Code: 5286

a2zSubjects.com		(3 Hours)	[Total Marks: 100
N.B.	(2) Attempt any thre(3) Illustrations, in-de	e from remaining questions. pth answers and diagrams will bestions is not allowed.	be appreciated.
(b) Explain System.arraycopy) Difference between abstra		5 5
	(i) Stations, tracks connecting stations. (ii) Trains with name & ID (iii) Train schedules record the time a train passes through each station on its route. Assume that each train reaches its destination on same day and every train runs everyday For each train on its route, store (a) time in (b) time out (c) Sequence no so stations in the route of a train can be ordered by sequence no. (iv) Passenger booking consisting of train, date, from station, to station, coach seat and passenger name. Draw class diagram for above scenario. Show clearly the relationship among participating classes.		ough each station on its n on same day and every ore (a) time in (b) time rain can be ordered by station, to station, coach, y the relationship among
(b	Draw Sequence diagram for passenger booking his ticket at irctc website.		
3. (a)	Write a program to display area of square, triangle and circle. Make use of interface to define templates of methods to be implemented in desired classes.		
(b)	Write a program to check whether the entered four digit number is vampire or not. Combination of digits from this number forms two 2-digit number. When they are multiplied by each other, we get original number. eg: 1260 = 21 *60.		
). (a)	Tree code, height, bath Define Tree class, its information. Define derive class N	stained. A tree has following set of use and amount spent on the tree set constructor, display () and updated and tree that has additional yield and display information of a tree and display information of a tr	o far. te () that updates tree Id attribute.
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	(b)	Write (i) (ii)		10	
5.	(a)	(a) Write a program to read five names of students from command line and store them in a vector. Sort list in alphabetical order and display using Enumeration interface.			
	(b)	Explain cohesion and coupling with suitable example.			
	(c)	What	are recursive functions? Demonstrate the concept with fibonacci program.	4	
5.	Wr	ite shor	rt notes on (any four):	20	
		(a)	Life cycle of Applet.	-	
		(b)	Static Members.		
		(c)	Thread Synchronization		
		(d)	JVM.		
		(e)	Collection classes.		

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