Total No.	. of Questions : 8]	SEAT No. :	
PD-428	82	∟ [Total N	No. of Pages : 2
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	[6403]-79		
	T.E. (Electronics) (E & TC 1	Engineering)	
]	FUNDAMENTALS OF JAVA PI		ING
(201	19 Pattern) (Semester - V) (3041	85 (c)) (Elect	tive - I)
	½ Hours]	[Ma	x. Marks : 70
Instruction 1)	ons to the candidates: Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.	7 or 0 8	
2)	Figures to the right indicate full marks.	701 Q.o.	
3)		sarv.	
4)	Assume suitable data, if necessary.		
01) -)		Paris and	- C1-:1-:1
Q1) a)	Describe different types of inheritance in Jav inheritance.	7a. Explain syntax (of merarchical [9]
b)	What is abstract class in Java? How it is	used in Java prog	ram? Explain
	with suitable example.		[9]
Q2) a)	Write a Java program to create a player class	s. Use the concept	of inheritance
	and create cricket player and Hockey player	er classes from the	e player class. [9]
b)	Explain difference between method overl	oading and metho	od overriding.
	Also provide example of each.		[9]
			(b),
Q3) a)	What are the ways to access a package from with suitable programming example.	rom another pack	age? Explain [9]
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b) What is an interface in Java? Compare interface and class in Java. [8]

OR

- (24) a) Explain the need of an interface in Java. With suitable example, explain how to create and use an interface. [9]
 - b) What is a package? With the help of suitable example, explain how to create a package. [8]

P.T.O.

Q 5) a)	What is life - cycle of an applet? Explain with suitable diagram. [9]		
b)	With suitable programming examples, explain the terms try, catch and finally. [9]		
	OR		
Q6) a)	What is an exception in Java? Why exceptions occur in a Java program? Explain with suitable example. [9]		
b)	Explain the concept of single threaded and multithreaded program in Java. Also explain the difference between multiprocessing and multithreading.[9]		
Q7) a)	Explain the use of File class in Java. What are the different methods in Java File class? [9]		
b)	Write a Java program using AWT to create one button and add it on the Frame object inside the main () method. [8]		
	OR OR		
Q 8) a) \(\)	Explain the hierarchy of AWT package in Java. [9]		
b)	What are byte stream and character stream in Java? Explain. [8]		
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