Paper Code: BCA-206

Subject: Java programming

END TERM EXAMINATION

FOURTH SEMESTER [BCA] MAY 2017

Time	: 3 Hours Maximum Mar	ks: 75
Note: Attempt any five questions including Q no.1 which is compulsory.		
Q1	Answer the following:- (a) What is type casting? Illustrate with example what is mean Automatic type promotion. (b) What is delegation event model? (c) Discuss the uses of 'throw' and 'throws' keywords. (d) Explain the different uses of 'super' keyword. (e) Explain the lifecycle of an applet.	The state of the s
Q2	(a) Explain why the main function is declared as "public static void (String args[])"?(b) List and explain any 8 Java buzzwords.(c) List and explain the OOP principles.	d main (4) (4) (4.5)
Q3	(a) Explain the concept of abstract classes in Java.(a) What is a Package? Discuss with suitable example the steps in in creating and using packages.	(6) avolved (6.5)
Q4	 (a) What are interfaces? What are their benefits? Give the general for a class that implements interfaces. (b) Write a Java class called as SavingsAccount with member AccountNo and Balance. Provide depositAmount(withdrawAmount() functions. If user tries to withdraw more than his balance, then throw a User Defined Exception. 	(6) ers as
Q5	(a) Explain the different ways of creating threads in java with synta (b) How shared object can be protected from multiple access of three.	
Q6	(a) Bring out the differences between AWT and Swings using sexample.(b) Discus various layout managers available in AWT.	uitable (6) (6.5)
Q7	(a) Write a program to illustrate BufferedInputStream BufferedOutputStream.(b) Compare byte stream class and character stream class.	and (6) (6.5)
Q8	Write short notes on the following:- (a) JDBC architecture (b) Adapter classes (c) Applets and comparison with application program (d) Check box and choice list	(3) (3) (3) (3.5)

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