Seat No.: 202

AP-107

April-2017

BCA., Sem.-IV (CBCS)

CC-210: Core Java

Tin	ne: 3	Hours] [Max. Marks	[Max. Marks: 70	
1.	(a)	Explain the following:	8	
		Ternary Operator		
		'this' keyword		
		Constructor		
		Constant		
		OR		
		Explain The following:	8	
		Method Overloading		
		Static Method		
		Bytecode,		
		• Class		
	(b)	Discuss the features of Java.	6	
		OR		
		Explain: Bitwise Operators.	6	
2.	(a)	Explain the following methods and terms:	8	
		replace()		
		• charAt()		
		NOT Operator		
		• equals()		
		OR		
		Explain the following methods.	8	
		binarySearch()		
		capacity()		
		parseDouble()		
		•		
		 indexOf() 		
	(b)	Explain the Integer and Boolean wrapper class in java.	6	
		OR	6	
		Explain the character class in java with all its methods.		
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3.	(a)	I. Differentiate between Interface and Abstract Class. II. Explain: Multiple Inheritance. How is it implemented in java? OR	
		Answer the following: 1. Explain the Exception handling mechanism in java giving a suitable	8
		example. II. Explain the concept of Abstract Class with suitable example.	
	(b)	Explain: Checked and Unchecked Exceptions. Explain the concept of user defined exception also.	6
		OR Explain the different types of methods that cannot be overridden in subclass.	6
			0
4.	(a)	Answer the following: 1. What is a package? Explain the built-in packages in java. II. Explain life cycle of a thread.	8
		OR Answer the following:	
		Answer the following: I. Explain drawPolygon() and drawPolyline() methods with proper syntax. II. Explain: The Applet tag	
	(b)	Explain the life cycle of an applet with a diagram. Also explain all the methods of Applet class.	6
		Exp.ain: Thread Priorities. Also explain join() and sleep() method.	6
5.	Ansı	wer the following:	14
٥.	(1)	What is the range of short data type in Java?	
	. ,	(a) -128 to 127	
		(b) $-32,768$ to $32,767$	
		(c) -2,147, 483, 648 to 2,147, 483, 647	
		(d) None of mentioned	
	(2)	The new operator	
	(2)	(a) creates a variable called new	
		(b) returns a pointer to new variable	
		(c) obtains memory for a new variable	
		(d) checks for memory availability	
	(3)	What is the return type of constructor?	
		(a) int	
		(b) char	
		(c) void	
		(d) None of mentioned	

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What is the output of the following program?
                    class select
                         public static void main(string args[])
                         int var1=5:
                         int var2=6;
                         if((var2=1)==var1)
                            System.out.print(var2);
                         else
                            System.out.print(++var2);
              (a)
                                                  (b)
                                                        2
              (c)
                    3
                                                  (d)
        (5) If you declare an integer array as follows, what is contained in the element
              num [3] ? Int[] num = {101, 102, 103, 104, 105, 106);
              (a)
                   102
                                                  (b)
                                                        103
                   104
              (c)
                                                        Garbage value
                                                  (d)
        (6) Which of these method of class StringBuffer is used to concatenate the string
             representation to the end of invoking string?
                   append()
                                                        All of the mentioned
                   concate()
             (c)
                                                  (d)
       (7) Which of these keywords is used to refer to member of base class from a sub
            class?
                                                        this
            (a)
                  super
                                                  (b)
                                                        None of the mentioned
            (c)
                  upper
                                                  (d)
      (8). Which of these keywords is used by a class to use an interface defined
            previously?
                                                        Imports
            (a)
                  import
                                                  (b)
            (c)
                  Implement
                                                  (d)
                                                        implements
           Which of these keywords is used to manually throw an exception?
            (a)
                                                  (b)
                                                        catch
                 try
                 thrown
                                                  (d)
                                                        throw
            (c)
      (10) Which of these access specifiers can be used for a class so that it's members can
           be accessed by a different class in the different package?
                 private
                                                        public
           (a)
           (c)
                 protected
                                                  (d)
                                                        Default
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