

(5-20

MK-171

003-003402

B. C. A. (Sem. IV) (CBCS) Examination

April / May - 2012

CS - 20: Programming with Java

(New Course)

Faculty Code: 003 Subject Code: 003402

Time : $2\frac{1}{2}$ Hours]

[Total Marks: 70 06

Instruction:

- (1) There are 3 Questions.
- (2) All are compulsory.
- (3) Answer of both Section in main answers sheet
- (4) Mention your options clearly

Section -I

Q- 1 A	ttempt the following MCQ's:	20	9
1)	Java was first developed in	c. partially true	
	a. 1990	b. 1991	
	c. 1993	d. 1996	
2)	Full form of JDK is	ewords a	
	a. Java Development Kit	b. Java Definition Kit	
	c. Java Data Kit	d. None of these	
3)	Maximum value of byte is	estron femilia, se goslavaj os	
	a. 16	b. 8	
	c. 127/	d. None of these	
4)	The implicit type conversion of int data type can be done to data		a type.
,	a. byte	b. char	
	c. short	d. long	
5)	The instanceof operator returns a _	value.	
	a. boolean	b. char	
	c. int	d. byte	

6) AWT Controls are inpacka	age.
a. java.applet	b. java.awt
c. java.applet.awt	d. java.util
7) Method overloading is a way by wh	nich java achieves
a. Inheritance	b. Polymorphism
c. Encapsulation	d. Data hiding
8) super keyword can be used to	b. access super class' members
a. call super class constructor c. both a and b	d. None of these
9) When a method has same name and class, then this method is said to be	I same type signature as a method in super
a. Overloaded	b. Duplicate
c. Overridden	d. Abstract
and the plant survivors of	
10) When a class declared as final, the	en
a. It can not be inherited	b. It must be inherited.
c. Its object can not be created	d. None of these
	hy default
11) All the methods of interface are	otic by default
a. abbitact	d. All of these
c. final	d. All of these
12) An interface can extends another	interface.
a. true	b. false
c. partially true	d. None of these
13) If an exception is generated in try	block then it is caught in
	b. throw
a. finally c. throws	d. caught certen
c. throws	and the state of t
14) Which package is imported impli	icitly?
a. java.applet	b. java.util
c. java.lang	d. java.io
8.4	
15) In java a thread can be crated by	b. Implementing Runnable interface
a. Extending Thread class	d. None of these
c. Both a and b	d. None of these
16) To kill a thread at any stage	method is used.
a. kill()	b. stop()
c. destroy()	d. dead()
	ž. boelean
17) The method returns the si	ze of a file in bytes.
a. size()	b. fileSize()
c. length()	d. fileLength()
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18)	Which method is called first by an	applet? b. run()		
	a. start() c. init()	d. paint()		
		V 22513 1211134 11111 11111 11111 11111		
19)	The class is the super class	of all the event classes.		
	a. AWTEvent	D. Eventobject		
	c. ActionEvent	d. KeyEvent		
	4 401119 01	nd columns layout manager is to	used.	
20	To arrange components as rows ar	b. BorderLayout		
	a. CardLayout	d. GridLayout		
	c. BoxLayouot	The Habita con Campana and Carlotte in St.		
		Section II		
9 Att	empt the following:			
2 / 1100			06	
	(a) Write any three out of six:		00	
	(i) What is OOP? Explain OC	P Principles.		
	(ii) Explain Java features.			
	(iii) Explain components of JDK.			
	(iv) Explain data types of Java.			
	(v) Explain operator precedence with example.			
	(vi) Explain method overloading with example.			
	(VI) Explain measure		00 (1)	
	(b) Write any three out of six:		09 (4)	
(i) What is constructor? Explain constructor overloading.				
(ii) Explain static keyword with example.				
(iii) Explain static keyword.				
(iv) Explain garbage collection and finalize() method.				
	(v) Explain garbage concerton and rindress (v) Explain various access specifiers available in Java.			
(vi) Explain various access specifies distance (vi) Explain method overriding with meaningful example.				
	(VI) Explain method overrida		^^	
	(c) Write any two out five:		10 (5)	
	(c) Write any two out in c.	d methods with example		
(i) Explain abstract class and methods with example (ii) How can define a package? Explain with example.				
	Lucian Constitution of Evidence	in role of intertace.		
(iii) What is interface? Explain role of interface. (iv) What is an exception in Java? Explain exception handling mechanism in Java			chanism in Java.	
(iv) What is an exception in Java? Explain exception that (v) Explain any for methods of String class with example.				
	(v) Explain any for methods	of String Class Will star 1		
3.	Attempt the following:			
			06 (1)	
	(a) Write any three out of six	X:		
	(i) Explain wrapper classe	es.		
	(ii) Explain Math class wi	th any five methods.		
	(iii)Explain difference bet	ween Array and Vector.		
	(m) Expression	9. Dy		

- (iv)Explain synchronization and deadlock.
- (v) What is Stream in Java?
 - (vi) Explain StreamTokenizer class with example.

(b) Write any three out of six:

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- (i) Explain Thread life cycle with state diagram.
- (ii) Explain any three methods of Graphics class
- (iii) Explain event delegation model.
- (iv) Explain difference between Applet and Swing.
- (v) Explain List class with example.
- (vi) Explain difference between CharacterStream and ByteStream.

(c) Write any two out five:

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- (i) Explain difference between String and StringBuffere
- (ii) Explain any three methods of Date class with example.
- (iii) Explain Runnable Interface with example.
- (iv) What is use of Layout Manager? Explain GridBagLayout.
- (v) Explain keywords: native, volatile and transient.