

004544 -1alji



CS-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 26

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 Attempt the following MCQ's:

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- 1) Java was first developed in _____
 - a. 1990
 - b. 1991
 - c. 1993
 - d. 1996
- 2) Full form of JDK is _____.
 - a. Java Development Kit
 - b. Java Definition Kit
 - c. Java Data Kit
 - d. None of these
- 3) Maximum value of byte is _____
 - a. 16
 - b. 8
 - c. 127
 - d. None of these
- 4) The implicit type conversion of int data type can be done to _____ data type.
 - a. byte
 - b. char
 - c. short
 - d. long
- 5) The instanceof operator returns a _____ value.
 - a. boolean
 - b. char
 - c. int
 - d. byte

10/10/2000

- 6) AWT Controls are in _____ package.
 - a. java.applet
 - b. java.awt
 - c. java.applet.awt
 - d. java.util

- 7) Method overloading is a way by which java achieves _____.
 - a. Inheritance
 - b. Polymorphism
 - c. Encapsulation
 - d. Data hiding

- 8) super keyword can be used to _____.
 - a. call super class constructor
 - b. access super class' members
 - c. both a and b
 - d. None of these

- 9) When a method has same name and same type signature as a method in super class, then this method is said to be _____.
 - a. Overloaded
 - b. Duplicate
 - c. Overridden
 - d. Abstract

- 10) When a class declared as final, then _____.
 - a. It can not be inherited
 - b. It must be inherited.
 - c. Its object can not be created
 - d. None of these

- 11) All the methods of interface are _____ by default
 - a. abstract
 - b. static
 - 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 _____.
 - a. finally
 - b. throw
 - c. throws
 - d. caught *catch*

- 14) Which package is imported implicitly?
 - a. java.applet
 - b. java.util
 - c. java.lang
 - d. java.io

- 15) In java a thread can be crated by _____.
 - a. Extending Thread class
 - b. Implementing Runnable interface
 - 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()

- 17) The _____ method returns the size of a file in bytes.
 - a. size()
 - b. fileSize()
 - c. length()
 - d. fileLength()

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

(b) Write any three out of six:

09 (1)

- ✓(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:

10 (1)

- (i) Explain difference between String and StringBuffer
- (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.