



**MCQ-003-001522** Seat No. \_\_\_\_\_

**B. Sc. (Sem. V) (CBCS) Examination**

**May / June - 2018**

**CA - 502 : Java Programming**

**Faculty Code : 003**

**Subject Code : 001522**

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

[Total Marks : 70

- Instructions :** (1) Answer for all must be written in your answer sheet.  
(2) Figures on the right indicate full marks.

**1 Attempt all : 20**

- (1) To compile a java program, \_\_\_\_\_ command is used.
- (2) \_\_\_\_\_ Command is used to execute a java program.
- (3) An interface can be declared using \_\_\_\_\_ keyword.
- (4) The applet is in \_\_\_\_\_ package.
- (5) \_\_\_\_\_ Method is used to display a text on applet.
- (6) \_\_\_\_\_ Class creates dynamic array in java.
- (7) To inherit one class to another class, \_\_\_\_\_ keyword is used.
- (8) \_\_\_\_\_ Keyword is used to call constructor of super class.
- (9) To import a package in program, \_\_\_\_\_ keyword is used.
- (10) JDK stands for \_\_\_\_\_.
- (11) \_\_\_\_\_ Keyword is used to monitor statement for exception.
- (12) Date class is in \_\_\_\_\_ package.
- (13) To kill a thread at any stage, \_\_\_\_\_ method is used.

- (14) AWT stands for \_\_\_\_\_.
- (15) \_\_\_\_\_ Life cycle is called first in applet.
- (16) To insert element in Vector, \_\_\_\_\_ function is used.
- (17) Final keyword is used to declare \_\_\_\_\_ variable.
- (18) JVM stands for \_\_\_\_\_.
- (19) \_\_\_\_\_ Method is used to get random integer value.
- (20) To inherit multiple interface, \_\_\_\_\_ keyword is used.

- 2 (a) Explain following questions : (any **three**) **6**
- (1) Explain static keyword.
  - (2) Explain volatile keyword.
  - (3) Explain final keyword.
  - (4) Explain this keyword..
  - (5) What is array ? List out its type.
  - (6) Explain transient keyword.
- (b) Attempt following questions : (any **three**) **9**
- (1) Explain for loop and while loop.
  - (2) Explain if and nested if with example.
  - (3) Explain JVM process in detail.
  - (4) Explain switch statement.
  - (5) Explain public private and protected keyword.
  - (6) Explain abstract class in java.
- (c) Attempt following questions : (any **two**) **10**
- (1) Explain Applet life cycle in detail.
  - (2) Write a program for following output :
 

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* *
* * *
* * * *
* * * * *

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  - (3) Explain interface in detail.
  - (4) Explain method overriding in detail.
  - (5) Write a program to check given value is greater than 100 or not.

- 3** (a) Explain following terms : (any **three**) **6**
- (1) List out JDK components.
  - (2) What is class ?
  - (3) What is Object ?
  - (4) What is UDF ?
  - (5) What is super keyword ?
  - (6) What is applet ?
- (b) Attempt following questions : (any **three**) **9**
- (1) What is constructor ? Explain with example.
  - (2) Explain garbage collection in java.
  - (3) Explain characteristic of java.
  - (4) Explain Hashtable class.
  - (5) Explain Calendar class.
  - (6) Explain try, catch and finally block.
- (c) Attempt following questions : (any **two**) **10**
- (1) Write a program to draw an oval in applet.
  - (2) Write a program to demonstrate method overloading in java.
  - (3) Explain Thread life cycle in detail.
  - (4) Write a program to demonstrate single inheritance.
  - (5) Explain graphics class with its method.
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