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Reg. No. :

Code No. : 21141

Sub. Code : JMCS 32/
JMSE 32

B.Sc. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2017.

Third Semester

Computer Science/Software Engineering – Main

JAVA PROGRAMMING

(For those who joined in July 2016 onwards)

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. The type _____ specifies a single precision value that uses 32 bits of storage.
- (a) Byte (b) Short
(c) Float (d) Double

2. The _____ operator is used to access the instance variables and method of class objects.
- (a) Instance of (b) Size of
(c) Comma (,) (d) dot (.)
3. Methods declared as _____ cannot be overridden.
- (a) Initial (b) Final
(c) Public (d) Private
4. Which is a reserved word in the Java Programming Language?
- (a) Method (b) Native
(c) Subclasses (d) Reference
5. Multiple inheritance is implemented through
- (a) package (b) interface
(c) array (d) none of the above
6. Math class was defined in the _____ package.
- (a) Java .io (b) Java .util
(c) Java .net (d) Java .long



7. The _____ method is invoked by the browser when the applet begins execution.

- (a) Start()
- (b) Init()
- (c) Begin()
- (d) None of these above

8. If an exception occurs within the _____ block, it is thrown.

- (a) catch
- (b) try
- (c) throw
- (d) none of the above

9. _____ is a method used to obtain the current color.

- (a) set color()
- (b) Find color()
- (c) Get color()
- (d) color get()

10. In Java, _____ package contains classes that implements platform – independent graphical user interface.

- (a) Applet
- (b) AWT
- (c) Utilities
- (d) Networking

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) Explain about data type in Java.

Or

(b) Discuss about operator in Java.

12. (a) Write about static methods with example.

Or

(b) Explain about defining a class, methods declaration with examples.

13. (a) What is Package? Explain.

Or

(b) Write short note on : Uncaught Exceptions.

14. (a) Discuss about life cycle of a applet.

Or

(b) Write short note on Event listener.

15. (a) What is the use of AWT? Explain.

Or

(b) How to draw lines and rectangles in Java? Explain with examples.



SECTION C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) What is array and explain about types of arrays with examples?

Or

- (b) Write a Java program to convert the given temperature in Fahrenheit to Celsius using the following conversion formula $C = \frac{F - 32}{1.8}$ and display the values in a tabular form.

17. (a) Write detail notes on method overloading and abstract class.

Or

- (b) Explain about inheritance basis.

18. (a) Write about Multi thread in Java with examples.

Or

- (b) Explain the Multiple try.... catch with examples.

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19. (a) Explain Applets in Java with an example program.

Or

- (b) Write short note on : HTML applet Tag.

20. (a) Explain about working with Graphics AWT components.

Or

- (b) Write detail notes on Menu and Menu box.
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