

Question Paper

Exam Date & Time: 28-Sep-2020 (02:00 PM - 05:45 PM)



PSG COLLEGE OF ARTS AND SCIENCE

Note: Writing 3hrs: Checking & Inserting Image : 30mins

MCom(CA) DEGREE EXAMINATION MAY 2020
(Fourth Semester)

Branch - COMMERCE WITH COMPUTER APPLICATIONS

JAVA PROGRAMMING [18CCP21]

Marks: 75

Duration: 210 mins.

SECTION A

Answer all the questions.

- 1) What is the error in the following class definition? (1)

```
abstract Class XY
{
abstract sum(int x, int y) {}
}

```

 - (i) class header is not defined properly
 - (ii) constructor is not defined
 - (iii) method is not defined properly
 - (iv) No error

- 2) Which of the following are overloading the method? (1)

```
int sum(int x, int y) {}

```

 - (i) `int sum(int x, int y, int z) {}`
 - (ii) `float sum(int x, int y) {}`
 - (iii) `int sum(float x, float y) {}`
 - (iv) `int sum(int a, int b) {}`

- 3) A package is a collection of (1)
 - (i) Classes
 - (ii) Interfaces
 - (iii) Editing tools
 - (iv) Classes and Interfaces

- 4) The concept of multiple inheritance is implemented in Java by (1)
 - (i) extending two or more classes
 - (ii) extending one class and implementing one or more interfaces
 - (iii) implementing two or more interfaces
 - (iv) all the above

- 5) (1)

Which of the following applet says tags is legal to embed an applet class named test into a web page?

- (i) `<applet
Class=Test Width=200 height=100>
</applet>`
- (ii) `<applet>
Code=Test.class Width=200 height=100>
</applet>`
- (iii) `<applet
Code=Test.class Width=100 height=100>
</applet>`
- (iv) `<applet
Code=Test.class Width=200 height=100>
</applet>`

6) Which of the following methods can be used to draw the outline of a square? (1)

- (i) `fillRect()` (ii) `draLline()`
- (iii) `drawRect()` (iv) `drawString()`

7) Which expecting is thrown by the `read()` method of `InputStream` class? (1)

- (i) Exception (ii) File Not Found Exception
- (iii) Read Exception (iv) IO Exception

8) Which are the valid ways to create `DataInputStream` Streams? (1)

- (i) `new DataInputStream();`
- (ii) `new DataInputStream("in.dat", "r");`
- (iii) `new DataInputStream(new FileInputStream("in.dat"));`
- (iv) `new DataInputStream(new File("in.dat"));`

9) JDBC supports the following categories of drivers. (1)

- (i) 5 (ii) 6
- (iii) 4 (iv) 3

10) What is the general format to load the JDBC driver? (1)

- (i) `Class.Name(String drivername)`
- (ii) `Class.forName(String drivername)`
- (iii) `Class.ForName(String drivername)`
- (iv) None of the above

SECTION B

Answer all the questions.

11) Discuss about any five important features of Java. (7)

a)

[OR]

Describe the general format of a class and its parts. (7)

b)

12) Explain the method of creating and using threads. (7)

a)

- [OR] How do you defining an interface? (7)
b)
- 13) How do you add Applet to HTML file? (7)
a)
- [OR] Write short notes on drawing Arcs. (7)
b)
- 14) Discuss on any five methods in the output stream class. (7)
a)
- [OR] List out the most common run-time errors. (7)
b)
- 15) What are the types of classes present in the java.lang packages? (7)
a)
- [OR] How do you add the record? Explain. (7)
b)

SECTION C

Answer 3 out of 5 questions.

- 16) Explain in detail about Java program structure. (10)
- 17) Elaborate notes on implementing interfaces. (10)
- 18) Construct detailed notes on Applet Life cycle. (10)
- 19) Explain the concept of Exception Handling mechanism in Java with example. (10)
- 20) Develop JDBC connectivity with example. (10)

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