Printed Pages – 7

D-7131

M.Sc. (IIIrd Semester) Examination, 2020

COMPUTER SCIENCE

(Advanced Java Programming)

Time Allowed : Three Hours

Maximum Marks : 70

SECTION - A

(Objective Type Questions)

Note : Attempt any ten questions. Each question carries one mark. **1×10=10**

Q. 1. Java does not support _____ overloading.

Q. 2. % is _____ operators.

Q. 3. Lang.util and io are Java _____.

Q. 4. Applets do not use the _____ method for initiating the execution of code.

Q. 5. _____ is a group of related data item.

Q. 6. Which of them is a keyword :

(a) break

(b) catch

(c) char

(d) All of above

Q. 7. Which of them is a runtime entities in object oriented system :

(a) Object

(b) Class

(c) Function

(d) None

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Q. 8. Java does not contain the data type :

(a) struct

(b) union

(c) enum

(d) All of above

Q. 9. Which package contain abstract keyword :

(a) java.util

(b) java.lang

(c) java.io

(d) Java.awt

Q. 10. Which of them is a conditional operator :

(a) ||

(b) &

(c) ? :

(d) ==

Q. 11. Exception generated in try block is caught in _____ block.

(a) Catch

(b) Throw

(c) Try

(d) None

Q. 12. Which of them is a correct applet tag :

(a) < app > ..... < / app >

(b) < appl > ..... < / appl >

(c) < applet > ..... < / applet >

(d) None

SECTION - B

(Very Short Answer Type Questions)

Note : Attempt any five questions in 25-30 words. Each question carries 2 marks. **2×5=10**

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Q. 1. Define primitive data type.

Q. 2. What is the class ?

Q. 3. Define interface.

Q. 4. What do you mean by web server ?

Q. 5. Define skip (n) method.

Q. 6. What do you mean by throw exception ?

Q. 7. Define awt package.

SECTION - C

(Short Answer Type Questions)

Note : Attempt any five questions in 250 words. Each question carries 4 marks. **5×4=20**

Q. 1. Write the differences between Java and C++.

Q. 2. Write a Java program to calculate $(a^2 + b^2) - (a^2 - b^2)$.

Q. 3. Define single inheritance with example.

Q. 4. Write a Java program to find factorial using constructor.

Q. 5. Write a Java program to read and write character in file.

Q. 6. How do applets differ from application program ?

Q. 7. Write short note on URL connection.

SECTION - D

(Essay Type Questions)

Note : Attempt any three questions in more than 500 words. Each question carries 10 marks. **3×10=30**

Q. 1. Explain two dimensional array with example.

Q. 2. Explain applet life cycle with example.

Q. 3. What is synchronization ? Explain with example.

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Q. 4. Write detail note on the following :

(a) Netbeans IDE

(b) JBoss server

OR

Explain nested interface with example.

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