Printed Pages – 7

E-7131

M.Sc. (IIIrd Semester) Examination, 2021

COMPUTER SCIENCE

(Advanced Java Programming)

Time Allowed : Three Hours

Maximum Marks : 70

Note : Attempt all sections.

SECTION - A

(Objective Type Questions)

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

Q. 1. _____ is known as father of Java Programming Language.

Q. 2. _____ provides run time environment for Java byte code to be executed.

Q. 3. Java Language was initially called as _____.

Q. 4. _____ operator is used to allocate memory to array variable in Java.

Q. 5. _____ feature of OOP's has a super-class sub-class concept ?

Q. 6. Division operator has _____ precedence over multiplication operator.

Q. 7. Which of the following are not Java modifiers ?

(a) Public

(b) Private

(c) Friendly

(d) Transient

Q. 8. Which of the following are not the methods of the thread class ?

(a) yield ( )

(b) stop ( )

Join our WhatsApp Channel for FREE Question Papers, Syllabus & Exam Updates
More papers: cguniversities.com | Tap here to join
JOIN NOW >

(c) sleep ( )

(d) go ( )

Q. 9. Which one is a template for creating different objects ?

(a) An Array

(b) A Class

(c) Interface

(d) Method

Q. 10. Which symbol is used to contain the values of automatically initialized arrays ?

(a) Brackets

(b) Braces

(c) Parentheses

(d) Comma

Q. 11. In Java control statements break, continue, return, try-catch-finally and assert belongs to ?

(a) Selection statements

(b) Loop statements

(c) Transfer statements

(d) Pause statements

Q. 12. Which variables are created when an object is created with 'new' keyword and destroyed when the object is destroyed ?

(a) Local Variables

(b) Instance Variables

(c) Class Variables

(d) Static Variables

SECTION - B

(Very Short Answer Type Questions)

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

Join our WhatsApp Channel for FREE Question Papers, Syllabus & Exam Updates
More papers: cguniversities.com | Tap here to join
JOIN NOW >

Q. 1. What is Byte Code ?

Q. 2. Define Variable.

Q. 3. What is Access Specifier ?

Q. 4. Define Byte Stream.

Q. 5. What is API ?

Q. 6. Expalin AWT Package.

Q. 7. Discuss the use of throws keyword.

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 a program to find the factorial value of 5 using while loop

Q. 2. Write the steps to create a package named as sggvs and write source code also.

Q. 3. Write a short note on Life Cycle of Thread.

Q. 4. Discuss TCP / IP client socket with suitable example and program.

Q. 5. Write a source code to create an applet through applet viewer.

Q. 6. Discuss Java servlet architecture.

Q. 7. Write a short note on try catch block with suitable example and program.

SECTION - D

(Essay Type Questions)

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

Q. 1. Write a program for addition of two numbers using single inheritance.

Join our WhatsApp Channel for FREE Question Papers, Syllabus & Exam Updates
More papers: cguniversities.com | Tap here to join
JOIN NOW >

Q. 2. Explain the concept suspending, resuming and stopping a thread with suitable example and program.

Q. 3. What is an Interface ? Discuss the concept of extending interface with suitable example and program.

Q. 4. Write a program for multiplication of two 3×3 matrix using scanner class.

Join our WhatsApp Channel for FREE Question Papers, Syllabus & Exam Updates
More papers: cguniversities.com | Tap here to join
JOIN NOW >