

B.Sc. 2nd Semester (Honours) Examination, 2019

COMPUTER SCIENCE

(Programming in JAVA)

Paper : 201/C-3

Course ID : 21511

Time: 1 Hour 15 Minutes

Full Marks: 25

The figures in the margin indicate full marks.

*Candidates are required to give their answers in their own words
as far as practicable.*

1. Answer *any five* questions: 1×5=5
 - (a) What is unchecked exception?
 - (b) What do you mean by package in JAVA?
 - (c) What is polymorphism?
 - (d) What is throwing and exception?
 - (e) What is inheritance in JAVA?
 - (f) What is class?
 - (g) What is Applet?
 - (h) What is overloading?

 2. Answer *any two* questions: 5×2=10
 - (a) Explain object oriented concepts in JAVA.
 - (b) Explain exception handling mechanism in JAVA.
 - (c) Explain with example about constructor overloading in JAVA.
 - (d) How an array is created in JAVA? What are the different ways to initialize the array? 2+3=5

 3. Answer *any one* question: 10×1=10
 - (a) What do you mean by JAVA virtual machine? Write a JAVA class circle with constructor methods and methods for finding area and circumference. 2+8=10
 - (b) List and explain various character stream classes in JAVA. Write a program in JAVA to add first 10 natural numbers. 4+6=10
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