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W—419—2018

FACULTY OF SCIENCE

B.Sc. (Second Year) (Fourth Semester) EXAMINATION

NOVEMBER/DECEMBER, 2018

(CBCS Pattern)

COMPUTER SCIENCE

Paper IX

(Programming in Java)

(MCQ + Theory)

(Tuesday, 11-12-2018)

Time : 2.00 p.m. to 4.00 p.m.

Time—2 Hours

Maximum Marks—40

N.B. :— (i) Attempt All questions.

(ii) Figures to the right indicate full marks.

MCQ

10

1. Choose *correct* alternative for the following :

(1) command is used to compile java program.

(A) jc (B) jvc

(C) javac (D) jcomp

(2) Size of int datatype in java is

(A) 16 bits (B) 32 bits

(C) 64 bits (D) 8 bits

(3) Interface is alternative for inheritance in java.

(A) Multiple (B) Single

(C) Hierarchical (D) Multilevel

P.T.O.

- (4) Array is declared as in java.
- (A) int a[10] (B) int[] = a[10]
(C) int[] a = new int(10) (D) int[] a = new int[10]
- (5) JVM stands for Java machine.
- (A) Viral (B) Vast
(C) Virtual (D) Variable
- (6) mechanism is used to acquire properties and behaviour of parent class.
- (A) Inheritance (B) Encapsulation
(C) Polymorphism (D) None of these
- (7) is not supported by java.
- (A) Pointer (B) Method
(C) Class (D) Constructor
- (8) is return type of method that do not return any value.
- (A) void (B) int
(C) double (D) string
- (9) is not type of inheritance.
- (A) Single (B) Double
(C) Hierarchical (D) Multilevel
- (10) is not an operator in java.
- (A) ++ (B) --
(C) + (D) ++ -

Theory

2. Write a program in Java to display factorial of a number. 10

Or

- (a) What are the different data types used in Java ? 5
- (b) What is Applet ? Explain use of it in detail. 5

3. Explain constructor used in Java with example program. 10

Or

(a) Explain concept of method with example. 5

(b) Write a Java program to find largest among three numbers. 5

4. Write short notes on the following (any two) : 10

(a) Output statement in Java

(b) Operators in Java

(c) JVM

(d) Command line argument.