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B—479—2019

FACULTY OF SCIENCE

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

MAY/JUNE, 2019

(CBCS Pattern)

COMPUTER SCIENCE

Paper IX

(Programming in Java)

(MCQ+Theory)

(Saturday, 4-5-2019)

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)

1. Choose *correct* alternative for the following : 10

(i) To compile Java Program command is used.

- (A) jc (B) cjava
(C) javac (D) cj

(ii) has same name as class name.

- (A) constructor (B) object
(C) method (D) variable

(iii) Interface is alternative for inheritance.

- (A) Multiple (B) Single
(C) Hybrid (D) None of these

(iv) is *correct* duration of array.

- (A) int a[10] (B) int[] = a[10]
(C) int a = [10] (D) int a = new int[10]

P.T.O.

- (v) JVM stands for Java Virtual
- (A) Manipualtor (B) Masking
(C) Machine (D) Making
- (vi) are java programs developed for internet applications.
- (A) Software (B) Package
(C) Applets (D) None of these
- (vii) is not supported by Java.
- (A) Pointer (B) Method
(C) Class (D) Object
- (viii) Converting one data type into another is known as
- (A) type match (B) type casting
(C) type calling (D) type compare
- (ix) is not a type of inheritance.
- (A) Double (B) Single
(C) Multilevel (D) Hybrid
- (x) file is created after compiling java program.
- (A) .java (B) .obj
(C) .map (D) .class

(Theory)

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

Or

- (a) How does java differ from C and C++. 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 Java API packages. 5

(b) Write a Java program to describe concept of single inheritance. 5

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

(a) Output statement in Java

(b) Comamnd line argument

(c) Java tokens

(d) JVM.