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Y—479—2019

FACULTY OF SCIENCE

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

NOVEMBER/DECEMBER, 2019

(CGPA Pattern)

COMPUTER SCIENCE

Paper—IX

(Programming in Java)

(Monday, 16-12-2019)

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

Time— Two Hours

Maximum Marks—40

- N.B. :—* (i) Attempt All questions.
(ii) Assume suitable data if necessary.

MCQ

1. Select the correct answer for the following : 10
- (i) is the inventor of Java.
- (a) Dennis Ritchie (b) Bill Gates
(c) James Gosling (d) John Hopper
- (ii) In Java characters are defined by character set.
- (a) ASCII (b) BCD
(c) Binary (d) Unicode
- (iii) Smallest Individual units in a program known as
- (a) Class (b) Object
(c) Tokens (d) Variable
- (iv) primitive data types are there in Java.
- (a) 6 (b) 7
(c) 8 (d) 9

P.T.O.

- (v) A package is a collection of
- (a) Classes (b) Interfaces
(c) Objects (d) Classes and Interfaces
- (vi) JVM stands for Java Machine.
- (a) Variable (b) Virtual
(c) Visual (d) Validate
- (vii) To execute Java Programs command is used.
- (a) Javac (b) Java
(c) Javaexec (d) Run
- (viii) Compilation of Java Program creates file.
- (a) . Java (b) . Class
(c) . exe (d) . Txt
- (ix) method cannot be overrides.
- (a) Final (b) Super
(c) Private (d) Static
- (x) In Java system package has set of classes for implementing GUI.
- (a) Java . awt (b) Java . util
(c) Java . gui (d) Java . Long

Theory

2. (a) Describe Java program structure. 5
(b) Explain symbolic constants. 5
- Or*
- (c) Explain Java virtual machine (JVM) concept. 5
(d) Explain IF Else statement with example. 5
3. (a) Explain command line arguments. 5
(b) Explain Bitwise operators. 5

Or

- (a) Describe class concept in Java. 5
 - (b) Explain string arrays in detail. 5
 - 4. (a) What is Java support system ? 5
 - (b) Explain switch statements with example. 5
- Or
- (c) Explain constructors concept. 5
 - (d) Describe extending interface concept in detail. 5