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R—358—2017

FACULTY OF SCIENCE

B.Sc. (Fourth Semester) EXAMINATION

MAY/JUNE, 2017

COMPUTER SCIENCE

Paper IX

(Programming in Java)

(MCQ+Theory)

(Friday, 5-5-2017)

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.

(MCQs)

1. Select the *correct* answer of following MCQs : 10

(i) data type is supported by java.

(a) String

(b) Structure

(c) Union

(d) Pointer

(ii) JVM stands for Java machine.

(a) Viral

(b) Variable

(c) Virtual

(d) Vimp

(iii) command is used to execute java programs.

(a) Java

(b) Javae

(c) Exjava

(d) Javaex

(iv) initialize object upon creation.

(a) Destructor

(b) Constructor

(c) variable

(d) Object 1

P.T.O.

- (v) file is created after compilation of java program.
- (a) .obj (b) .exe
(c) .java (d) .class
- (vi) is inventor of java.
- (a) Bill gates (b) James Gosling
(c) Denis Ritche (d) Satya Nadela
- (vii) To compile java program command is used.
- (a) javac (b) javae
(c) cjava (d) javacompilc
- (viii) is instance of a class.
- (a) object (b) main()
(c) println (d) variable
- (ix) loop always executes its body at least once.
- (a) while (b) for
(c) do-while (d) none of these
- (x) should be same of class name.
- (a) Constructor (b) Object
(c) Variable (d) None of these

(Theory)

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

Or

(a) What are the different operators used in Java ? 5

(b) Explain JAVA API package. 5

3. Explain concept of inheritance in detail. 10

Or

- (a) Explain concept of array. 5
- (b) Explain concept of constructor. 5
4. Write short notes on the following (any *two*) : 10
- (a) Data types
- (b) Web browsers
- (c) String
- (d) Applet.