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Y—478—2019

FACULTY OF SCIENCE

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

NOVEMBER/DECEMBER, 2019

(CBCS 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) Figures to the right indicate full marks.

MCQ

1.   Choose correct alternative for the following :   10

     (i)   Java is ....Language.

         (a)   OOPS   (b) Structure

         (c)   Procedure   (d) None of these

     (ii)   Int takes .... bytes.

         (a)   2   (b) 4

         (c)   6   (d) 8

     (iii)   WWW stands for ....

         (a)   World Wide Web   (b) World Web Web

         (c)   World Web Website   (d) None of these

     (iv)   Function is also called as ....

         (a)   Procedure   (b) Methods

         (c)   Both (a) and (b)   (d) None of these

                                                     P.T.O.

(*v*) Multiple Inheritance concept is known as ....

    (*a*) Applet   (*b*) Package

    (*c*) Interface   (*d*) None of these

(*vi*) && is a .... operator.

    (*a*) OR   (*b*) NOT

    (*c*) EX-OR   (*d*) AND

(*vii*) New keyword is used for ....

    (*a*) Creating Package   (*b*) Creating Object

    (*c*) Creating Interface   (*d*) None of these

(*viii*) Operator stands for ....

    (*a*) Pointer   (*b*) Member

    (*c*) Member Access Specifier   (*d*) None of these

(*ix*) .... method whose name is same as that of class name.

    (*a*) Class   (*b*) Object

    (*c*) Constructor   (*d*) None of these

(*x*) In Java Inheritance .... keyword is used.

    (*a*) Package   (*b*) Data Input Stream

    (*c*) Extends   (*d*) None of these

Theory

2. Write program in JAVA for sum of digit using class and object.   10

Or

(*a*) Differentiate between C++ and Java.   5

(*b*) What is keyword ? Explain various keywords in Java.   5

3.   What is Inheritance ? Explain its types.   10

<div align="center">*Or*</div>

    (*a*)   Explain Interface in detail.   5

    (*b*)   Write a program in Java for swapping of two no. using constructor.   5

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

    (*a*)   Java API Package

    (*b*)   String methods

    (*c*)   Applet life-cycle

    (*d*)   Array.