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SF—29—2022

FACULTY OF COMPUTER STUDIES

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

MAY/JUNE, 2022

(CBCS/Revised Course)

COMPUTER SCIENCE

BCS-401

(Programming in Java)

(Saturday, 2-7-2022)

Time : 2.00 p.m. to 5.45 p.m.

Time— 3.45 Hours

Maximum Marks—75

N.B. :— (i) All questions are compulsory.

(ii) Figures to the right indicate full marks.

(iii) Assume suitable data, if necessary.

1. Attempt any *five* the following : 15

(a) Explain difference between C++ and Java.

(b) Java data types.

(c) Use of this keyword.

(d) How to use multiple catch statement ?

(e) What are character stream classes ?

(f) How to store date and time values ?

(g) What is constructor ?

2. Attempt any *three* the following : 15

(a) Write a program to demonstrate method overriding.

(b) Explain final variables with example.

(c) Write a short note on Package.

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- (d) Explain methods of String Buffer Class.
- (e) Write a program to demonstrate abstract class.
3. Attempt any *three* of the following : 15
- (a) What is Exception ? Explain handling exceptoins.
- (b) How to handle files in Java ?
- (c) Write a program to access data from table using JDBC.
- (d) Write a short note on JDBC.
- (e) Explain final class with example.
4. Attempt any *three* of the following : 15
- (a) Explain method overloading with example.
- (b) Explain reading and writting files.
- (c) Write a program to demonstrate single inheritance.
- (d) Explain features of Java language.
- (e) Write a program to demonstrate super keyword.
5. Write short notes on any *three* of the following : 15
- (a) Result set
- (b) Types of Errors
- (c) User defined Exceptions
- (d) Looping statements
- (e) Java history