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**SB—512/513—2022**

**FACULTY OF SCIENCE**

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

**JUNE/JULY, 2022**

**(CBCS/Old/New Pattern)**

**COMPUTER SCIENCE**

**Paper—IX**

**(Programming in Java)**

**(Friday, 15-7-2022)**

**Time : 2.00 p.m. to 4.30 p.m.**

*Time— 2½ Hours*

*Maximum Marks—40*

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

*(ii) Assume suitable data, if necessary.*

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|----|--|----|
| 1. | Explain Java Tokens in detail.                                   | 15 |
|    | <i>Or</i>  |    |
| 2. | (a) Explain how Java differs from C and C++;                     | 7  |
|    | (b) Write a program in Java to find factorial of a given number. | 8  |
| 3. | Explain in detail Data types in Java.                            | 15 |
|    | <i>Or</i>  |    |
| 4. | (a) Write a program in Java to implement an Interface.           | 7  |
|    | (b) What is String Array ? Explain with example.                 | 8  |
| 5. | Write short notes on (any two) :                                 | 10 |
|    | (a) Java API Package;  |    |
|    | (b) String methods;  |    |
|    | (c) Java Virtual Machine;  |    |
|    | (d) Method Overloading.  |    |

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