

This question paper contains **2** printed pages]

**BJ—26—2016**

**FACULTY OF SCIENCE**

**B.Sc. (C.S.) (Fifth Semester) EXAMINATION**

**OCTOBER/NOVEMBER, 2016**

**COMPUTER SCIENCE**

**Paper S5.3**

**(Prog. in Java-I)**

**(Friday, 25-11-2016)**

**Time : 10.00 a.m. to 1.00 p.m.**

*Time—3 Hours*

*Maximum Marks—80*

*N.B. :— All questions are compulsory.*

- |     |   |    |
|-----|---|----|
| 1.  | Attempt the following :   | 20 |
| (a) | Explain features of Java.   |    |
| (b) | Explain data types in Java.                                       |    |
| (c) | Write on access specifier.  |    |
| (d) | Explain garbage collection.                                       |    |
| 2.  | (a) Explain Java environment and Java editor.                     | 7  |
|     | (b) Explain applet life cycle.                                    | 8  |
|     | <i>Or</i>   |    |
|     | (c) What is package ? Explain it with example.                    | 7  |
|     | (d) WAP in Java, to display your name on screen.                  | 8  |
| 3.  | (a) Explain constructor and overloading constructor with example. | 7  |
|     | (b) Explain inheritance and types of inheritance.                 | 8  |
|     | <i>Or</i>   |    |
|     | (c) Explain MVC architecture.                                     | 7  |
|     | (d) Define interface and implementation of interface.             | 8  |

P.T.O.

4. (a) Explain stream classes with example. 7  
(b) Explain method overriding with example. 8  
*Or*  
(c) Explain inner class with its types.  
(d) Write on Catch : try statement.
5. Write short notes on (any *three*) : 15  
(a) Final keyword  
(b) Wrapper class  
(c) J&K  
(d) Repaint( ) and Update( ) method  
(e) Assertion.