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AA—28—2019

FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc. (Third Year) (Fifth Semester) EXAMINATION

OCTOBER/NOVEMBER, 2019

(Revised Course)

COMPUTER SCIENCE

(S5.3)

(Programming in Java-I)

(Wednesday, 16-10-2019)

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

Time—3 Hours

Maximum Marks—75

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

(ii) Assume suitable data whenever necessary.

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| 1. | Attempt the following : | 20 |
| | (a) Explain features of Java. | |
| | (b) Write a simple Java program to print hello message. | |
| | (c) Explain Garbage collection. | |
| | (d) Explain new operator. | |
| 2. | (a) Explain array. | 8 |
| | (b) Define own class and use this keyword. | 7 |
| | <i>Or</i> | |
| | (c) Explain constructor. | 8 |
| | (d) Explain control structure. | 7 |
| 3. | (a) Explain inheritance. | 8 |
| | (b) Write a program in Java to demonstrate object and class. | 7 |
| | <i>Or</i> | |
| | (c) Explain String Class and String Buffer Class. | 8 |
| | (d) Explain file class. | 7 |

P.T.O.

4. (a) Write a program in Java to demonstrate exception handling. 8
(b) Explain event handling. 7
- Or*
- (c) Explain different component checkboxes and radio buttons. 8
(d) Explain applet life-cycle. 7
5. Write short notes on (any *three*) : 15
- (a) Stream classes
(b) Interface
(c) Wrapper class
(d) Object and class
(e) Memory allocation using new operator.