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**E—19—2019**

**FACULTY OF SCIENCE AND TECHNOLOGY**

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

**MARCH/APRIL, 2019**

**(CBCS Pattern)**

**COMPUTER SCIENCE**

**(Java Programming)**

**(Saturday, 20-4-2019)**

**Time : 2.00 p.m. to 5.00 p.m.**

*Time—Three Hours*

*Maximum Marks—75*

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

*(ii) Figure to the right indicate full marks.*

*(iii) Assume suitable data, if required.*

1. Attempt any *five* of the following : 15

- (a) Explain JVM.
- (b) Explain Identifiers.
- (c) Explain operators used in Java.
- (d) Explain Static members.
- (e) Explain String classes.
- (f) Explain Java programming structure.
- (g) Explain regular expression.

2. Attempt any *two* of the following : 10

- (a) Explain how Java differ from C and CPP.
- (b) Explain Java features.
- (c) Explain Java history.

P.T.O.

3. Attempt any *two* of the following : 10
- (a) Explain looping statements.
  - (b) Explain type casting.
  - (c) Explain branching statements.
4. Attempt any *two* of the following : 10
- (a) Explain use of this keyword.
  - (b) Explain method overloading.
  - (c) Explain final variable.
5. Attempt any *two* of the following : 10
- (a) Explain multiple catch statements.
  - (b) Explain inner class.
  - (c) Explain how to access package.
6. Attempt any *two* of the following : 10
- (a) W.A.P. to check entered number is Armstrong or not.
  - (b) Explain string buffer class.
  - (c) Explain byte stream class.
7. Attempt any *two* of the following : 10
- (a) Explain procedure to create an applet.
  - (b) Explain applet life-cycle.
  - (c) Explain applet parameters.