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**AA—21—2019**

**FACULTY OF SCIENCE AND TECHNOLOGY**

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

**OCTOBER/NOVEMBER, 2019**

**(CBCS Pattern)**

**COMPUTER SCIENCE**

**(Java Programming)**

**(Tuesday, 15-10-2019)**

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

*Time—3 Hours*

*Maximum Marks—75*

- N.B. :—*
- (i) All questions are compulsory.
  - (ii) Figures to the right indicate full marks.
  - (iii) Assume suitable data, if required.

1. Attempt any *five* of the following : 15
  - (a) Explain regular expression.
  - (b) Explain static members.
  - (c) Explain features of Java.
  - (d) Explain Jvm.
  - (e) Explain literals.
  - (f) Explain keywords.
  - (g) Explain branching statements.
2. Attempt any *two* of the following : 10
  - (a) Explain Java programming structure.
  - (b) Explain Java environment.
  - (c) Explain how Java is differ from C and CPP.

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3. Attempt any *two* of the following : 10
- (a) Explain looping statements.
  - (b) Explain operators in Java.
  - (c) Explain type casting.
4. Attempt any *two* of the following : 10
- (a) Explain use of this keyword.
  - (b) Explain use of constructor with suitable example.
  - (c) What is inheritance ? Explain single level inheritance.
5. Attempt any *two* of the following : 10
- (a) Explain multiple catch statements.
  - (b) Explain how to access package.
  - (c) Explain defining and implementing interface.
6. Attempt any *two* of the following : 10
- (a) Explain byte stream class.
  - (b) Explain string buffer class.
  - (c) Explain character stream class.
7. Attempt any *two* of the following : 10
- (a) Explain applet life cycle.
  - (b) Explain how to pass parameters to applet.
  - (c) Explain applet tag with example.