



**RAG-003-00340700**

Seat No. \_\_\_\_\_

**B. C. A. (Sem. IV) (CBCS) (W.E.F. 2016) Examination**

**March / April - 2019**

**Programming with JAVA : CS - 19**

**Faculty Code : 003**

**Subject Code : 00340700**

Time :  $2\frac{1}{2}$  Hours]

[Total Marks : 70

- Instructions :**
- (1) There are 5 questions in this paper carrying 14 marks each.
  - (2) All are compulsory.
  - (3) Give answers of all questions in main answer sheet.
  - (4) Mention your options clearly.

- 1 (a) Attempt following Objective Questions : 4
- (1) Give full form : JVM.
  - (2) Where is creating Java Programming Language ?
  - (3) The \_\_\_\_\_ cannot be used as names for a variable, class, or method.
  - (4) How many bits are stored when creating long type variable ?
- (b) Answer in brief : (any one) 2
- (1) Explain JDK.
  - (2) Explain Jumping statement.
- (c) Answer in detail : (any one) 3
- (1) What is OOP ? Explain OOP concept.
  - (2) Explain data type in Java.
- (d) Write a note on following : (any one) 5
- (1) What is overloading ? Explain method of overloading with example.
  - (2) What is array ? Explain command line argument array with example.

- 2 (a) Attempt following Objective Questions : 4
- (1) Which type of class is not inherited in Java ?
  - (2) How many argument passing in replace () function ?
  - (3) Which package is imported when we use StringBuffer Class ?
  - (4) In Gregorian Calender class under java.util package in Java ? (Yes/No)
- (b) Answer in brief : (any one) 2
- (1) Explain HashTable.
  - (2) Explain Access Specifiers.
- (c) Answer in detail : (any one) 3
- (1) Explain Nested Class with example.
  - (2) Explain Random class with its method.
- (d) Write a note on following : (any one) 5
- (1) What is inheritance ? Explain with example.
  - (2) Explain Math class with its method.
- 3 (a) Attempt following objective questions : 4
- (1) All exception types are subclasses of the \_\_\_\_\_ class.
  - (2) Exception is \_\_\_\_\_ error to handling it.
  - (3) Array index is out of range which exception is generated ?
  - (4) Which method is used to stop Thread for some time ?
- (b) Answer in brief : (any one) 2
- (1) What is stream in Java ?
  - (2) Explain FileReader Class.

- (c) Answer in detail : (any **one**) **3**
- (1) Explain thread class and its methods.
  - (2) Explain FileInputStream Class.
- (d) Write a note on following : (any **one**) **5**
- (1) What is Exception ? Explain with example.
  - (2) Explain stream tokenizer class with example.
- 4 (a) Attempt following objective questions : **4**
- (1) Which method of graphics class is used to draw circle in an applet ?
  - (2) Which are two methods executed only one time in applet Life cycle ?
  - (3) Which method is used graphics class object as argument in applet ?
  - (4) How many parameter passing in g.drawString( ) method ?
- (b) Answer in brief : (any **one**) **2**
- (1) Explain applet tag.
  - (2) List out layout type.
- (c) Answer in detail : (any **one**) **3**
- (1) Explain Applet life cycle.
  - (2) Explain Border layout.
- (d) Write a note on following (any **one**) **5**
- (1) Write a code to draw login forms in applet.
  - (2) Write a code to draw smile face on screen.
- 5 (a) Attempt following Objective Questions : **4**
- (1) Full name : JFC.
  - (2) Full name : AWT.
  - (3) Which package is needed to use swing components ?
  - (4) List out MouseMotionListener Event handler.

- (b) Answer in brief : (any one) 2
- (1) Explain JTextField.
  - (2) Explain JCheckBox.
- (c) Answer in detail : (any one) 3
- (1) Difference between AWT and Swing.
  - (2) Explain JFrame with example.
- (d) Write a note on following : (any one) 5
- (1) Explain Event Delegation model.
  - (2) Explain Event Class.
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