



**MAW-003-00340700**

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

**B. C. A. (Sem. IV) (CBCS) Examination**

**March / April - 2018**

**CS-19 : Programming with Java**  
*(New Course)*

**Faculty Code : 003**

**Subject Code : 00340700**

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

[Total Marks : 70

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

- 1 (a) Attempt following Objective Questions : 4
- (1) Give full forms: JRE
  - (2) Who created java programming language ?
  - (3) What is Default value in Long datatype ?
  - (4) How many bits are stored when creating short type variable?
- (b) Answer in Brief : (any **one**) 2
- (1) Explain JVM.
  - (2) Explain Decision statement.
- (c) Answer in Detail : (any **one**) 3
- (1) Explain primitive data type in detail.
  - (2) What is type casting? Explain with example.
- (d) Write a Note on Following : (any **one**) 5
- (1) What is array? Explain its type with example.
  - (2) What is overloading? Explain constructor overloading with example.

- 2** (a) Attempt following Objective Questions : **4**
- (1) Which package is import when we use Random class?
  - (2) int compareTo(String s2): how many type of return value?
  - (3) Which type of class is not inherits in java?
  - (4) List out type of access specifies in java.
- (b) Answer in Brief : (any **one**) **2**
- (1) Explain Final Class.
  - (2) Explain Abstract Class.
- (c) Answer in Detail : (any **one**) **3**
- (1) What is interface? Explain with example.
  - (2) What is inheritance? Explain with example.
- (d) Write a Note on Following : (any **one**) **5**
- (1) Explain vector class with its method.
  - (2) Explain String class with its method.
- 3** (a) Attempt following Objective Questions : **4**
- (1) Which Exception are occurred when invalid array index?
  - (2) When any number divisable by zero which exception is generated?
  - (3) What is the name of the method used to start a thread execution?
  - (4) List out two valid constructors for Thread.
- (b) Answer in Brief : (any **one**) **2**
- (1) What is Byte stream?
  - (2) Explain throw and throws.

- (c) Answer in Detail : (any **one**) **3**
- (1) Explain File Class.
  - (2) Explain DataInputStream Class.
- (d) Write a Note on Following : (any **one**) **5**
- (1) What is Exception? Explain with example.
  - (2) Explain thread life cycle.
- 4** (a) Attempt following Objective Question : **4**
- (1) Which methods can be used to output a string in an applet?
  - (2) Which is the default layout in applet?
  - (3) Which method is used Graphics class object as argument?
  - (4) Which command is used to Execution of an Applet?
- (b) Answer in Brief : (any **one**) **2**
- (1) Explain Button Class.
  - (2) Explain Choice Class.
- (c) Answer in Detail : (any **one**) **3**
- (1) Explain Graphics class.
  - (2) Explain flow layout.
- (d) Write a Note on following : (any **one**) **5**
- (1) Explain Applet life cycle.
  - (2) What is layout? Explain card layout with example.
- 5** (a) Attempt following Objective Questions : **4**
- (1) Full Name: GUI
  - (2) Full Name: AWT
  - (3) Full Name: API
  - (4) Which package is needed to use swing components?

- (b) Answer in Brief : (any **one**) **2**
- (1) Explain JList.
  - (2) Explain JComboBox.
- (c) Answer in Detail : (any **one**) **3**
- (1) Explain MouseEvent.
  - (2) Explain JPanel with Example.
- (d) Write a Note on Following : (any **one**) **5**
- (1) Explain Event Delegation model.
  - (2) Difference between AWT and Swing.
-