



RAG-003-1044001

Seat No. _____

B. Sc. (IT) (Sem. IV) (CBCS) (W.I.F. 2016) Examination

March / April - 2019

Programming with JAVA : CS - 19

Faculty Code : 003

Subject Code : 1044001

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

[Total Marks : **70**

UNIT – I

- 1 (a) Objective type questions : 4
- (1) Give full form : JRE.
 - (2) Give full form : JVM.
 - (3) List out all data type in Java.
 - (4) How many space occupied by short type variable?
- (b) Answer in brief : (any 1 out of 2) 2
- (1) Explain JVM.
 - (2) Explain Looping Statements.
- (c) Answer in detail : (any 1 out of 2) 3
- (1) Explain Jumping Statements with example.
 - (2) What is type casting ? Explain with example.
- (d) Write a note on : (any 1 out of 2) 5
- (1) Explain finalize() method.
 - (2) Compare and contrast Static and Non-static Members.

UNIT – II

- 2** (a) Objective type questions : **4**
- (1) List out any two Java API Packages.
 - (2) List out any two java.lang Package Classes.
 - (3) List out any two java.util Package Classes.
 - (4) Write any two access specifiers.
- (b) Answer in brief : (any 1 out of 2) **2**
- (1) Explain Nested Class.
 - (2) Explain Inner Class.
- (c) Answer in detail : (any 1 out of 2) **3**
- (1) Compare and Contrast Normal Import and Static Import.
 - (2) What is inheritance ? Explain with example.
- (d) Write a note on : (any 1 out of 2) **5**
- (1) Explain vector class with its method.
 - (2) Explain string class with its method.

UNIT – III

- 3** (a) Objective type questions : **4**
- (1) Write correct sequence of commands “throw”, “try”, “catch”.
 - (2) Write Exception for “invalid array index”.
 - (3) Write Exception for “divided by zero”.
 - (4) Give name of a constructor for thread.

- (b) Answer in brief : (any 1 out of 2) **2**
- (1) Explain Piped Stream.
 - (2) Explain throw and throws.
- (c) Answer in detail : (any 1 out of 2) **3**
- (1) Explain RandomAccessFile class.
 - (2) Explain SteamTokenizer Class.
- (d) Write a note on : (any 1 out of 2) **5**
- (1) Why we should use Exception Handling feature ?
Justify your answer with example.
 - (2) Explain thread life cycle.

UNIT – IV

- 4 (a) Objective type questions : **4**
- (1) Write command to run applet.
 - (2) Write method name to give output of string in applet.
 - (3) What is applet ?
 - (4) Which method is used Graphic Class Object as argument ?
- (b) Answer in brief : (any 1 out of 2) **2**
- (1) Explain Graphics Class.
 - (2) Explain Choice Class.
- (c) Answer in detail : (any 1 out of 2) **3**
- (1) Explain Button Class.
 - (2) Explain Border layout.
- (d) Write a note on : (any 1 out of 2) **5**
- (1) Explain Applet Life Cycle.
 - (2) Explain GridBagLayout with GridBagConstraints with example.

UNIT – V

- 5 (a) Objective type questions : 4
- (1) Give full name of GUI.
 - (2) Give full name of AWT.
 - (3) Give full name of API.
 - (4) Give any two name of Event Classes.
- (b) Answer in brief : (any 1 out of 2) 2
- (1) Explain JList.
 - (2) Explain JCheckBox.
- (c) Answer in detail : (any 1 out of 2) 3
- (1) Explain JFrame.
 - (2) Explain JButton with example.
- (d) Write a note on : (any 1 out of 2) 5
- (1) Explain Event Delegation Model.
 - (2) Give difference between AWT and SWING.
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