

B.C.A Semester - 4 (CBCS) Examination
March/April-2023 [OLD COURSE]
CS-19 PROGRAMMING WITH JAVA(CORE)

Time: 2:30 Hours**Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

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- Q.1(A) Answer the following questions. (04)**
1. Full form of JRE
 2. Define continue statement.
 3. Full form of JDK.
 4. Full form of JVM
- Q.1(B) Answer the following questions. (Any One) (02)**
1. Explain Finalize () in brief.
 2. Explain Relational Operator in brief.
- Q.1(C) Answer the following questions. (Any One) (03)**
1. Explain types of Array in brief.
 2. Explain Constructor overloading in brief.
- Q.1(D) Answer the following questions. (Any One) (05)**
1. Explain Method Overloading in brief with suitable example.
 2. Explain Looping Structure in brief.
- Q.2(A) Answer the following questions. (04)**
1. Full form of IO
 2. Which method is use to convert the string in uppercase.
 3. Full form of API
 4. Define Class.
- Q.2(B) Answer the following questions. (Any One) (02)**
1. Explain Wrapper Class in brief.
 2. Explain Abstract Class in brief.
- Q.2(C) Answer the following questions. (Any One) (03)**
1. Explain any three math class method with example.
 2. List out all the access specifier & give example of any two of them.
- Q.2(D) Answer the following questions. (Any One) (05)**
1. Explain all the types of Inheritance & give suitable example of any two types.
 2. Define Package with suitable example.
- Q.3(A) Answer the following questions. (04)**
1. Define Thread
 2. Define File Reader Class.
 3. Define try block.
 4. Define throw statement.
- Q.3(B) Answer the following questions. (Any One) (02)**
1. Explain Deamon Thread with suitable example.
 2. Explain Stream & it's types in brief.
- Q.3(C) Answer the following questions. (Any One) (03)**
1. Explain StreamTokenizer Class.
 2. Explain Synchronization of thread with suitable example.

- Q.3(D) Answer the following questions. (Any One) (05)**
1. Explain all the types of Exceptions also give the example for any two types
2. Explain thread Life cycle in brief.
- Q.4(A) Answer the following questions. (04)**
1. Define Applet.
2. Which method is use to change the Font color of Label data?
3. Write down any two usage of Graphics Class.
4. Define Text Area.
- Q.4(B) Answer the following questions. (Any One) (02)**
1. Explain Flow Layout in brief.
2. Define Applet Life Cycle in brief.
- Q.4(C) Answer the following questions. (Any One) (03)**
1. Explain No Layout Manager in brief.
2. Explain GridBagLayout with suitable example.
- Q.4(D) Answer the following questions. (Any One) (05)**
1. Write the code to draw the Smiley Face using Graphics Class
2. Explain Grid Layout with suitable example.
- Q.5(A) Answer the following questions. (04)**
1. Define JPasswordField.
2. Write down any two difference between JFrame V/s JPanel.
3. Define Event.
4. Define JButton.
- Q.5(B) Answer the following questions. (Any One) (02)**
1. Explain JRadioButton with suitable example.
2. Explain Event Delegation Model in Brief.
- Q.5(C) Answer the following questions. (Any One) (03)**
1. List out Listener Interfaces and explain any one with suitable example.
2. Explain MouseMotion Listener with suitable example.
- Q.5(D) Answer the following questions. (Any One) (05)**
1. Write a code which creates a menu using swing components.
2. Explain Adaptor Classes in brief.
