

B.Sc.(IT) 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. ____ operator is used to create an object of a class.
 2. ____ is full form of JVM.
 3. List out jump statements.
 4. ____ can not refer to this or super keyword.
- Q.1(B) Answer the following questions. (Any One) (02)**
1. What is jagged Array?
 2. Explain finalize() method.
- Q.1(C) Answer the following questions. (Any One) (03)**
1. Explain features of Java.
 2. Explain Java Tokens.
- Q.1(D) Answer the following questions. (Any One) (05)**
1. Write short note on overloading in Java.
 2. Write short note on Decision statements in Java.
- Q.2(A) Answer the following questions. (04)**
1. Abstract method can declare with ____ keyword.
 2. Declaring ____ class, prevents to be inherited that class.
 3. Full form of AWT is ____.
 4. ____ package provides for system input and output through data streams, serialization and the file system.
- Q.2(B) Answer the following questions. (Any One) (02)**
1. What is final class?
 2. What is universal class?
- Q.2(C) Answer the following questions. (Any One) (03)**
1. Explain Access Specifiers.
 2. Explain: java.util.
- Q.2(D) Answer the following questions. (Any One) (05)**
1. Write short note on java.lang package.
 2. Write short note on method overriding and interface.
- Q.3(A) Answer the following questions. (04)**
1. The super class of all Exception class is ____ class.
 2. ____ class is used to get information of file.
 3. List out two approaches to create a thread.
 4. Thread class is in ____ package.
- Q.3(B) Answer the following questions. (Any One) (02)**
1. Explain try,catch, finally.
 2. What is stream tokenizer class?
- Q.3(C) Answer the following questions. (Any One) (03)**
1. Explain thread class and its methods.
 2. Explain stream and its type.

- Q.3(D) Answer the following questions. (Any One) (05)**
1. Write short note on reading and writing through character stream class `fileReader` and `fileWriter`.
 2. Explain synchronization in multiple threads.
- Q.4(A) Answer the following questions. (04)**
1. _____ function returning the string containing applet information.
 2. The `graphics` class is in _____ package.
 3. In Applet to retrieve a parameter _____ function is used.
 4. _____ is the default layout manager.
- Q.4(B) Answer the following questions. (Any One) (02)**
1. What is Applet?
 2. What is Flow Layout?
- Q.4(C) Answer the following questions. (Any One) (03)**
1. How to implement and execute applet with parameter?
 2. Explain Grid Layout.
- Q.4(D) Answer the following questions. (Any One) (05)**
1. Explain `Graphics` Class.
 2. Explain Applet Life Cycle.
- Q.5(A) Answer the following questions. (04)**
1. What is container?
 2. The _____ is a subclass of the `AbstractButton` class. It is used to create radio buttons.
 3. The _____ is a mechanism that handles the generating and processing of events.
 4. _____ method returns the number of mouse pointer clicked.
- Q.5(B) Answer the following questions. (Any One) (02)**
1. Explain `ItemEvent` class.
 2. What is `keyAdaptor`?
- Q.5(C) Answer the following questions. (Any One) (03)**
1. List out swing components and explain any two.
 2. Explain `MouseListener`.
- Q.5(D) Answer the following questions. (Any One) (05)**
1. Explain AWT Event packages.
 2. Write short note on Event handling
