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BACHELOR OF COMPUTER APPLICATIONS (B.C.A.)
SPECIALIZATION IN CYBER SECURITY (CS)

EXAMINATION : DECEMBER - 2022

SEMESTER - IV

Sub: Java / Java Programming

(BCA- 440-18/BCA-440-20/BCA-CS-440-20)

Date : 21/12/2022

Total Marks : 60

Time: 2.00 pm to 4.30 pm

Instructions:

- 1. All questions are compulsory unless and otherwise stated.*
- 2. Bold figures to the right of every question are the maximum marks for that question.*
- 3. Candidates are advised to attempt questions in order.*
- 4. Answers written illegibly are likely to be marked zero.*
- 5. Use of scientific calculators, Log tables, Mollier Charts is allowed.*
- 6. Draw neat and labeled diagrams wherever necessary.*

Q.1. Fill in the blanks. (5)

1. Which of the following is not a Java features?
a) Object-oriented
b) Architecture Neutral
c) Use of pointers
d) Dynamic
2. ____ is used to find and fix bugs in the Java programs.
a) JRE
b) JDK
c) JDB
d) JVM
3. Which of the following is a reserved keyword in Java?
a) main
b) object
c) system
d) strictfp
4. Which one of the following is a java keyword?
a) Void
b) Public
c) While
d) Switch
5. Which one of the following languages is pure object oriented language?
a) C
b) C#
c) C++
d) Java

Q.2. State True/False. (5)

1. To create string we use new string() function.
2. Assignment operator is evaluated Left to Right.
3. Variable name can begin with a letter, "\$", or "_".
4. Interfaces can be instantiated.
5. Java is case sensitive language

Q.3. Answer the following. (Solve any 5) (10)

1. Write in details about literals in java
2. What is Boolean logical operators with it's types.
3. What are the Data Types supported by Java?
4. What is JVM?

5. What is Exception handling in java?
6. What is an Applet?

Q. 4. Answer the following in detail. (Solve any 6) (30)

1. Write in Detail about class in Java.
2. Write in detail about Jump statement.
3. What is multithreaded programming in detail.
4. What is Applet programming? Explain in detail.
5. What is AWT explain in detail?
6. What is exception handling explain in detail?
7. What is event handling explain in detail?

Q. 5. Answer the following in detail. (Solve any 1) (10)

1. Write in detail about Applet Skelton.
 2. Write in details OOP Principles.
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