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RAN-2011000104030001**S.Y.B.C.A. (Sem-IV) Examination****January - 2021****403: JAVA Programming Language****Time: 3 Hours]****[Total Marks: 70****સૂચના : / Instructions****(૧)**

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

☛ **S.Y.B.C.A. (Sem-IV)**

Name of the Subject :

☛ **403: Java Programming Language**Subject Code No.: **2011000104030001**

Seat No.:

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Student's Signature

Q-1. Answer the following in short (Any seven)**[14]**

1. Define daemon thread.
2. Explain JVM and Bytecode.
3. When finalize() method is invoked?
4. What is yield() method?
5. What is package? How to use package in your program?
6. Justify the statement java is robust.
7. Explain this pointer.
8. What is the functioning of 'NEW'?

Q-2. Write followings in detail (Any two)**[14]**

1. What is Interface? How to achieve multiple inheritance in java? Explain with example.
2. Differentiate Final, finalize and finally.
3. What is applet? Explain how to pass parameters to the applet with example.

Q-3. Write short notes on following (Any two) [14]

1. Life cycle of Applet.
2. Features of java.
3. Methods of String class.

Q-4. Answer the following in detail (Any two) [14]

1. Explain use of super keyword in detail.
2. Explain bitwise operators in detail.
3. Explain inter thread communication in detail.

Q-5. Do as directed

1. Write a program to draw circle inside a square in applet with different colors. [7]

OR

1. Write a program that will accept a number from command line and raise a user defined exception if the number consists of odd number of digits. [7]
2. What is interface? Explain the interface with example. [7]
