

Roll No.

Total No. of Pages :02

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B.Sc. (IT) (Sem-4)
PROGRAMMING IN JAVA
Subject Code : UGCA-1932
M.Code : 79440
Date of Examination : 10-06-2023

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains SIX questions carrying TEN marks each and students have to attempt any FOUR questions.

SECTION-A

1. Define the following with examples :
 - a. Explain the difference between class and object.
 - b. List the important features of Java.
 - c. Explain importance of static class members.
 - d. What is interface?
 - e. What is the purpose of garbage collection in Java?
 - f. What is the basic purpose of the keyword throws?
 - g. What is exception? How exceptions are handled in Java?
 - h. Differentiate between applet and application.
 - i. What is importance of Random Access File class in Java?
 - j. What are the basic methods in File class?

SECTION-B

2. What are exceptions? How are they handled in Java? Explain, in detail.
3. Differentiate between run time and compile time polymorphism. Explain in detail.
4. What is inheritance? Write a program to demonstrate single-level inheritance.
5. What are packages? How are they created and used? Explain in detail.
6. What is synchronization and why it is important? Explain in detail.
7. How do you read from and write to a file in Java? Illustrate with the help of a program.

NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.