

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Tech. (Electronics & Communication Engineering) (Sem-5)

PROGRAMMING IN JAVA

Subject Code : BTEC-905D-18

M.Code : 78710

Date of Examination : 13-06-2023

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 FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

1. Write briefly :

- a) What is JDK?
- b) What are abstract data types?
- c) Discuss generalization?
- d) Write about AWT.
- e) What are static members in Java?
- f) What are string functions?
- g) Write about interfaces in Java.
- h) What is use of Applets in Java?
- i) What is the Common Object Request Broker Architecture (CORBA)?
- j) What is Java IDL?

SECTION-B

2. **Explain following :**

- a) Invoking a method in Java
 - b) Looping Statement in Java
3. Discuss various operators and expressions available in Java. Show their syntax.
4. What is the Applet class in Java and what is its purpose?
5. Write a short note on commonly used Swing components?
6. Explain Java I/O handling. Discuss file input stream and file output streams.

SECTION-C

7. What is Java Database Connectivity (JDBC) and how is it used to connect Java applications to databases?
8. What are exceptions in Java? How Try and Catch are used to handle the exception?
9. What are Java Beans and how do they simplify the development of Java applications?

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