SRINIX COLLEGE OF ENGINEERING, BALASORE
1ST INTERNAL EXAMINATION, FEBURUARY 2022

SUBJECT –OOP USING JAVA   SEMESTER- 3RD   BRANCH-ALL

FULL MARK-60   TIME- 2HOURS

SECTION A (All questions are compulsory)

$2 \times 10 = 20$

1. Why java is called platform independent language or WORA language?
2. Why java characters take 2 bytes of member unlike C or C++?
3. Differentiate between final, finalize and finally.
4. Name the keyword used to implement inheritance in java.
5. Name two methods to implement thread in java.
6. Write the syntax to create object of a class in java.
7. What is Dynamic Method Dispatch?
8. Define interface. Can it be instantiated?
9. Name the super class of Error & Exception class.
10. List features of Object Oriented Programming.

SECTION B (Answer Any Four)

$5 \times 4 = 20$

11. Differentiate between class and interface.
12. What is method overriding? Explain with the help of a programming example.
13. Write a program to demonstrate the use package (Separate program for package creation & its use)
14. Write a program to find factorial of an integer, where the integer is accepted from the keyboard using scanner class.
15. Explain different methods used in java to take input.
16. Explain how a subclass constructor can call the constructor of its super class.

SECTION C (Answer Any Two)

$10 \times 2 = 20$

17. Explain the features of Java which make it the most popular language or explain the java Buzzwords.
18. Define exception. How it differs from error. Explain exception handling mechanism with the help of a suitable programming example.
19. Define inheritance. Explain different types of inheritance with appropriate block diagram & programming syntax.

***** ALL THE BEST *****