15524

Reg. No. ☐☐☐☐☐☐☐

V Semester B.C.A. (CBCS) Degree Examination, March - 2021
COMPUTER SCIENCE
Java Programming

Time : 3 Hours

Maximum Marks : 70

instructions to Candidates:

Answer All Sections.

SECTION - A

Answer any **Ten** questions.

$(10×2=20)$

1. What is Java API?

2. Why is Java called as a platform independent language?

3. What are static variables?

4. Illustrate the usage of this "Keyword and Super" keyword.

5. What is an abstract class?

6. Differentiate between vector and array.

7. What are wrapper classes?

8. State any two differences between Applet and Application.

9. What are checked and unchecked exceptions?

10. What are default constructors and parameterized constructor.

11. Mention any two mathematical functions of the Math class.

12. Define streams in Java.

SECTION - B

Answe any **Five** questions.   (5×10=50)

13. a)   Explain features of Java.

    b)   Explain each word in the statement.

         Public static void main (String args [ ])

14. a)   Explain command line arguments with a program.

    b)   Illustrate the usage of break and continue statements with example.

15. a)   Explain method overloading and method overriding.

    b)   Explain any four methods of string class with example.

16. a)   What are access control modifiers? Explain.

    b)   Explain interface in java with an example.

17. a)   Explain life cycle of a thread.

    b)   What is a package? How is a user defined package created.

18. a)   Explain the types of inheritance with example.

    b)   Explain exception handling.

19. a)   Write a program to display all prime numbers between two limits.

    b)   Explain any five methods of Graphics class.

20. a)   Write a program to implement constructor overloading by passing different number of parameters of different types.

    b)   Write short notes on Byte stream and Character Stream.