

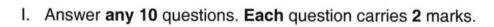
## V Semester B.A./B.Sc. Examination, March 2023 (CBCS) (2016 – 17 and Onwards) (F+R) COMPUTER SCIENCE – V Object Oriented Programming Using Java

Time: 3 Hours

Instruction: Answer all the Sections.

Max. Marks: 70





 $(10 \times 2 = 20)$ 

- 1) What is JDK?
- 2) What are the command line arguments?
- 3) What are the special operators in Java?
- 4) Compare in terms of their functions about while and do .... while statements.
- 5) How to create objects in Java?
- 6) What are Wrapper classes?
- 7) How do classes help us to organize our programs?
- 8) Define Package. Give an example.
- 9) What is thread priority?
- 10) What is exception? Write any two common Java exceptions.
- 11) How applets differ from applications?
  - 12) What is stream? Name the two types of Java streams.



## SECTION - B

I. An	SW	er any 5 of the following. Each question carries 10 marks. (5×10=5	0)
13)	a)	Explain any five features of Java.	5
	b)	How Java differs from C and C++?	5
14)	a)	Explain different types of operators available in Java.	5
	b)	Write a Java program to display all prime numbers between two limits.	5
15)	a)	What are constructors? What are the types of constructors?	5
	b)	Explain method overloading with example.	5
16)	a)	What is an array? Explain two dimensional arrays with example.	5
	b)	Write a short notes on interface.	5
-17)	a)	Explain any five Java API Packages.	5
	b)	Explain life cycle of a thread.	5
18)	a)	What are the types of exception handling?	5
	b)	Write a Java program to implement mouse events.	5
19)	a)	Explain the life cycle of an applet.	5
	b)	Write any five methods of graphics class.	5
20)	W	rite a short notes on the following:	
	a)	Byte stream classes.	5
	b)	Concatenating and buffering files.	5