Reg No.:_____   Name:_____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
EIGHTH SEMESTER B.TECH DEGREE EXAMINATION, MAY 2019
Course Code: CS486
Course Name: OBJECT ORIENTED PROGRAMMING

Max. Marks: 100   Duration: 3 Hours

PART A
Answer all questions, each carries 4 marks.   Marks

1	What is polymorphism in Java?	(4)
2	What is the difference between thread and process?	(4)
3	How arrays are declared and accessed in Java?	(4)
4	What do you mean by constructor overloading?	(4)
5	Show using Java code how three threads can be created using Runnable interface.	(4)
6	What are the different keywords used in exception handling?	(4)
7	Explain the usage of static variables in Java with an example.	(4)
8	Write a Java program to check whether a given number is prime or not.	(4)
9	Explain the methods and events associated with the Scrollbar component.	(4)
10	Write a note on adapter classes?	(4)

PART B
Answer any two full questions, each carries 9 marks.

11	Explain the various access control keywords in Java. Write the modifier access rules.	(9)
12	Write a Java program to calculate the area of different shapes namely circle, rectangle and triangle which illustrates the concepts of (i) method overloading (ii) default constructor.	(9)
13	Explain the features of Java.	(9)

PART C
Answer any two full questions, each carries 9 marks.

14	a)	What is the use of import statement in Java?	(3)
	b)	What do you mean by character stream? Name any 3 classes in this stream and	(6)

explain the purpose of each.

15 a) Discuss the concept of method overriding with an example.   (4)

    b) Write a Java program to copy the contents of one file to other.   (5)

16 a) How user defined Exceptions are handled in Java? Illustrate.   (5)

    b) Explain the life cycle of a thread.   (4)

PART D
Answer any two full questions, each carries 12 marks.

17 a) Write an applet program to illustrate keyboard events in Java   (12)

18 a) Explain the steps for Java database connectivity.   (12)

19 a) Write a Java program to check whether a given string is palindrome or not   (6)
        without using built in methods.

    b) What are the differences between AWT and Swing?   (6)

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