Reg No.:	Name:

## APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

FOURTH SEMESTER B.TECH DEGREE EXAMINATION, APRIL 2018

**Course Code: CS206** 

## Course Name: OBJECT ORIENTED DESIGN AND PROGRAMMING (CS)

Max. Marks: 100 Duration: 3 Hours

## PART A

		TANI A	
		Answer all questions, each carries 3 marks	Mark
1		Briefly explain the primitive data types used in Java.	(3)
2		Why Java is called pure object-oriented language?	(3)
3		Explain how access modifiers are used to control the visibility of identifiers.	(3)
4		Write a note on Java Virtual Machine.	(3)
		PART B	
		Answer any two full questions, each carries 9 marks	
5	a)	Draw the Use case diagram of a movie reservation system.	(4)
	b)	Write a program to check whether a string is palindrome or not. The input is to	(5)
		be accepted through command line parameter.	
6	a)	Describe the following statements in Java.:	(4)
		i) switch and for ii) break and continue	
	b)	Define a Java class having overloaded methods to calculate area of rectangle	(5)
		and circle.	
7	a)	What is the use of constructor in Java? Give examples.	(4)
	b)	Is it possible to create an object for class A using, A ob = new A(); if the class	(5)
		contains only parameterized constructor? Why?	
		PART C	
		Answer all questions, each carries 3 marks	
8		What is the use of interface in Java? Give example.	(3)
9		With the help of examples, explain how inheritance is implemented in Java.	(3)
10		Write a note on byte stream and character stream related classes.	(3)
11		Define package. How is a class within a package compiled and executed?	(3)
		PART D	
		Answer any two full questions, each carries 9 marks	
12	a)	Explain the different ways of creating threads in Java.	(4)
	b)	Write a Java program that accepts N integers through console and compute their	(5)
		average.	
13		Develop a java package named <i>primepackage</i> , with a class Prime containing a	(9)
		static method that check whether a number is prime or not and returns that	
		information. Import this package in another class and use to check a number is	
		prime or not.	

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