

Reg No.: _____

Name: _____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
V SEMESTER B.TECH DEGREE EXAMINATION(S), MAY 2019

Course Code:EE361

Course Name: OBJECT ORIENTED PROGRAMMING

Max. Marks: 100

Duration: 3 Hours

PART A

Answer all questions, each carries 5 marks.

		Marks
1	Discuss the terms data abstraction, data hiding and encapsulation	(5)
2	List any five important features of JAVA	(5)
3	What is an Interface? Describe syntax, feature & need of an interface.	(5)
4	Differentiate between java applet and Java application	(5)
5	Explain different ways of creating threads.	(5)
6	What are the states in the lifecycle of a Thread?	(5)
7	Give the syntax of SELECT and INSERT SQL commands with example.	(5)
8	Explain the architecture of JDBC	(5)

PART B

Answer any two full questions, each carries 10 marks.

9	a) Discuss the advantages of object oriented paradigm and compare it with procedure oriented language	(5)
	b) Design a class to represent a bank account. Include the following, Data members: Name of depositor, account number, type of account, balance amount in the account and Methods: to assign initial values, to deposit an amount. to withdraw an amount after checking balance, to display the name and balance	(5)
10	a) Write a java program to accept two strings and check whether string1 is a sub string of string2 or not.	(4)
	b) Outline the four access control specifiers and illustrate them in Java with the help of an example program	(6)
11	What are packages?? How packages are created, imported and used? Discuss with the help of an example. What is the use of packages ?Also discuss package access protection	(10)

PART C

Answer any two full questions, each carries 10 marks.

12	a) What is inheritance? Explain its advantageous. Demonstrate the use of Super keyword with the help of example.	(6)
	b) Describe Inner Class and types of inner classes with examples.	(4)

- 13 a) With the help of an example program explain the steps involved in creating an applet program (5)
- b) Describe the important file based stream classes and object stream classes in Java (5)
- 14 a) What is an abstract class and abstract method? (5)
- b) Explain the attributes of applet tag in detail (5)

PART D

Answer any twofull questions, each carries 10 marks.

- 15 a) What is multithreading? Give two advantages and disadvantages of multithreading. (5)
- b) What is thread priority? Write are the default values? Write methods to get & change priority of thread (5)
- 16 a) What are the steps involved in connecting a JAVA application with SQL database. Explain (6)
- b) What is JDBC. Explain (4)
- 17 a) What are different types of JDBC drivers (5)
- b) What is meant by thread synchronisation .Explain (5)
