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Reg No.: _____

Name: _____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
Sixth Semester B.Tech Degree Examination June 2022 (2019 Scheme)



Course Code: MRT312

Course Name: OBJECT ORIENTED PROGRAMMING

Max. Marks: 100

Duration: 3 Hours

PART A

Answer all questions, each carries 3 marks.

Marks

- | | | |
|----|--|-----|
| 1 | Explain parameterized constructors in java | (3) |
| 2 | Compare single and multi-dimensional arrays | (3) |
| 3 | Explain multilevel level inheritance with real-life example | (3) |
| 4 | How does the final keyword work with a class? | (3) |
| 5 | Differentiate Multi-tasking, Multiprocessing and Multi-threading | (3) |
| 6 | How to create a thread using an interface? | (3) |
| 7 | What is a jar file? | (3) |
| 8 | Explain different types of applet | (3) |
| 9 | What is the need of a JDBC in java? | (3) |
| 10 | List out any 3 DML queries | (3) |

PART B

Answer any one full question from each module, each carries 14 marks.

Module I

- | | | |
|----|---|-----|
| 11 | a) Write a program to find the sum of squares of the first N number | (7) |
| | b) How String class useful in Java programming? | (7) |

OR

- | | | |
|----|--|-----|
| 12 | a) Enumerate the use of Package in java. How may many ways a package can be import to the java code? | (8) |
| | b) Explain the properties of Object oriented Programming language | (6) |

Module II

- | | | |
|----|---|-----|
| 13 | a) Which property of java allows a developer for code reusability? Explain with example | (9) |
| | b) Compare Static and dynamic polymorphism in java | (5) |

OR

14 a) Whether multiple inheritances are supported by java? Validate your answer with a suitable example (7)

b) Explain the need for the abstract class with an example (7)

Module III

15 a) Discuss the different stages of the thread with a block diagram (9)

b) How to alter a thread priority in java code. Discuss with its related function (5)

OR

16 a) Discuss any two file management operations necessary diagrams (9)

b) Discuss any five methods available in the thread class (5)

Module IV

17 a) Design an applet to convert Fahrenheit to Degree Celsius (10)

b) How many ways an applet can be executed (4)

OR

18 a) Discuss applet life cycle in detail (9)

b) What are the features of an applet? (5)

Module V

19 a) Explain different steps required to create a JDBC application. Discuss with a simple query. (9)

b) Which driver is preferable for the testing and development purpose of the JDBC application and why? (5)

OR

20 a) Design a database and table for use phone book with necessary queries. (11)

b) How many ways a SQL query can be executed? (3)
