



**MAULANA ABUL KALAM AZAD UNIVERSITY OF
TECHNOLOGY, WEST BENGAL**

Paper Code : CS-504D

OBJECT-ORIENTED PROGRAMMING

Time Allotted : 3 Hours

Full Marks : 70

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

GROUP – A
(Multiple Choice Type Questions)

1. Choose the correct alternatives for the following :

$$10 \times 1 = 10$$

- i) Whether Java need compiler or interpreter
 - a) compiler
 - b) interpreter
 - c) both (a) and (b)
 - d) none of these.
- ii) Does any Java program contains more than one main method ?
 - a) Yes
 - b) No
 - c) Sometimes it is possible
 - d) In different package.

iii) How many public class can be allowed in Java ?

- a) One
- b) Two
- c) Many
- d) None of these.

iv) How dead thread can be accessed ?

- a) Using start()
- b) Using notify()
- c) Using reCreate()
- d) None of these.

v) Java compiler written by

- a) C
- b) C++
- c) Owk
- d) None of these.

Very first java compiler was written in C.
Today.java compiler is written in java,
while JRE is written in C

vi) Applet has main() method

- a) False
- b) True
- c) Required for local applet
- d) None of these.

vii) Final is useful

- a) to protect a method from overloading
- b) to protect a class from inherit
- c) to protect a interface from implementing
- d) none of these.

viii) Dynamic method dispatcher is useful for

- a) to resolve method override
- b) to resolve multilevel inheritance anomaly
- c) to resolve multiple inheritance anomaly
- d) none of these.

- ix) AWT package is uses for
- a) Component and graphics
 - b) Component
 - c) Graphics
 - d) None of these.
- x) An abstract class can contain no method at all
- a) True
 - b) False
 - c) Variable
 - d) None of these.

GROUP - B

(Short Answer Type Questions)

Answer any *three* of the following. $3 \times 5 = 15$

2. What are the two methods to create threads ? Compare them. Explain them with an example Java program.

2 + 3

3. What is function overloading explain with example.
4. How does a class accomplish data hiding ? List out the differences between Procedure Oriented Programming and Object Oriented programming. 2 + 3
5. What is Constructor ? What does the finalize method do ? 2 + 3
6. What is delegation model in Java Applet.