





## GROUP – B

## (Short Answer Type Question)

Answer any three of the following.

3 x 5 = 15

2. What are the differences between run time polymorphism & compile time polymorphism ? 5
3. What do you mean by object oriented programming ? How it differs from Structure Oriented Programming ? 2 + 3
4. What are the differences between method overloading and method overriding ? 5
5. What is Garbage collection ? What is Static variable ? Give example for both. 1.5+1.5+2
6. What is Synchronization ? When is it used ? 3 + 2

## GROUP – C

## (Long Answer Type Question)

Answer any three of the following.

3 x 15 = 45

7. a) What are the features of java language ? Describe.  
b) What do you mean by command line argument ?  
c) What do you mean by subclass constructor method ?

5 + 5 + 5

8. a) Describe the complete life cycle of a thread.  
b) Explain the method by which you can block a thread.  
c) What is thread synchronization ?  
d) Describe Inter-thread communication.

4 + 4 + 4 + 3

9. a) What is applet ?  
b) Describe applet life cycle.  
c) What is local applet ?  
d) What are the difference between Java application & Java applet ?  
e) What are the application of applet tag ?

2 + 4 + 2 + 5 + 2

10. a) What is an exception ? Explain with an example , how exceptions are handled in Java ?
- b) What is multithreading ? Explain two advantages of multithreaded programs. Write a program in java to explain how different priorities can be assigned to different threads.

(2 + 4) + (2 + 2 + 5)

11. a) What is a package ? Explain the difference access controls for packages in java .
- b) What is Unicode ? Explain the advantages of using Unicode.
- c) Explain operators with reference to java. Explain two dimensional array with example.

(2 + 3) + 2 + (3 + 5)