



## II B. Tech II Semester Regular/ Supplementary Examinations, April/May - 2019

# JAVA PROGRAMMING

(Com to CSE, IT)

Time: 3 hours

Max. Marks: 70

Note: 1. Question Paper consists of two parts (**Part-A** and **Part-B**)

2. Answer **ALL** the question in **Part-A**

3. Answer any **FOUR** Questions from **Part-B**

**PART -A**

1.
  - a) Is Java a secure and robust language? Justify your answer. (2M)
  - b) Write the purpose of this keyword in Java. (2M)
  - c) Does java support multiple inheritance? Justify your answer. (2M)
  - d) List various methods in Thread class. (2M)
  - e) Write the advantages and disadvantages of applet. (3M)
  - f) What types of check boxes are present in AWT? (3M)

**PART -B**

2. a) Discuss various principles of object oriented programming. (7M)  
b) Write a java program to illustrate the increment & decrement operators, shift operators and ternary operator. (7M)
3. a) Can we use constructors with parameters? What type of parameters can be passed for this? Explain the same with an example. (7M)  
b) Write a Java program to demonstrate garbage collection. (7M)
4. a) Write a Java program to create a package where the program has to access a package and hide classes with packages. (7M)  
b) Illustrate the use of 'super' and 'final' key words in java. Write the importance of abstract classes. (7M)
5. a) How can you perform thread scheduling by setting priorities to threads? Explain the same with an example. (7M)  
b) Write a Java program to read from file and print file data on the user screen. (7M)
6. a) Discuss various states in the life cycle of an applet in detail. (7M)  
b) What is an event? Explain the methods that are available to handle events in Java. (7M)
7. Explain about Border Layout? Write a Java program which creates Border Layout and adds two Checkboxes to it? (14M)



