

Day & Date	Semester	Subject Name	Time	Code	Marks
Saturday 31/03/2018	V (Repeater)	JAVA Programming	02.30 PM to 05.00 PM	5102	75

Instruction:

- I) Question No. 1 is compulsory
- II) Solve any 4 questions from Q.2 to Q.8

- Q.1 Explain any 5 from the following with reference to Java. (15)
- I) Byte code
  - II) Garbage collection mechanism
  - III) Polymorphism
  - IV) Exception Handling
  - V) Synchronization
  - VI) Stream class
- Q.2 a) Difference between C++ and Java. (8)  
b) Explain the jump statements. (7)
- Q.3 a) What is the use of 'this' keyword? (8)  
b) Explain the java's access specifiers. (7)
- Q.4 a) Explain Life Cycle of Thread with the help of example. (8)  
b) What is final keyword? Explain the uses of final keyword. (7)
- Q.5 a) Explain method overriding in detail with the help of example. (8)  
b) Explain different string functions with example. (7)
- Q.6 a) Define Abstract Class? Explain with example? (8)  
b) Explain any two controls of AWT. (7)
- Q.7 a) Define Exception. List out five of the most common types of exceptions. (8)  
b) What are input and output streams? Explain with examples. (7)
- Q.8 a) Define a class FACTORIAL containing a single method 'intfact(int)' Write a main class of java with main() method, which reads an integer no, finds its factorial using the class & print the calculated factorial? Read an integer no through command line  
Eg I/p = 5 O/p = 5\*4\*3\*2\*1=120. (8)  
b) Write program that draws different geometrical shapes on the applet. (7)