

**II B. Tech II Semester Supplementary Examinations, April-2018**  
**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 **THREE** Questions from **Part-B**
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**PART -A**

1. a) Write a short note on the installation of JDK. (4M)
- b) Discuss about binary, unary and ternary operators. (3M)
- c) Explain about the final keyword with examples. (3M)
- d) How to suspend threads? Give examples. (4M)
- e) Differentiate between application and applet (4M)
- f) How menu's are created? Give example. (4M)

**PART -B**

2. a) What is JVM? Give importance of JVM in java language. (8M)
- b) What are the principles and applications of java? Discuss. (8M)
3. a) Differentiate between class and object (8M)
- b) Write a java program factorial of a number using command line arguments. (8M)
4. a) What is package? How to create package? Give examples (8M)
- b) Write a java program which illustrates the try, catch, throw and throws and finally blocks. (8M)
5. a) Explain about java.io.package (8M)
- b) Differentiate between thread and process? How a thread is created? Discuss. (8M)
6. a) Explain about applet life cycle. (8M)
- b) Write a applet program for login page by considering username and password. If both are correct then only it has to go to the next page. Otherwise it has to display the error invalid user and password. (8M)
7. a) Explain about components in swings. (8M)
- b) Write a program for Armstrong number using AWT components. (8M)