Question Paper

MANIPAL ACADEMY OF HIGHER EDUCATION

SCHOOL OF INFORMATION SCIENCES(SOIS)
SECOND SEMESTER Master of Engineering - ME (EMBEDDED SYSTEMS)
DEGREE EXAMINATION - APRIL 2018
Wednesday, 25 April 2018
Time : 10:00 am to 1:00 pm
Embedded Software Design [ESD 614]

Marks: 100   **Duration: 180 mins.**

Answer all the questions.

1) What are the features of JAVA? List the features of JAVA 8. (10)

2) What is a Class and Object in JAVA? Explain with a neat example. (10)

3) With a neat example, explain the concept of JVM. (10)

4) Explain the concept a) Parameterized constructors b) Streams c) AWT vs Swings (10)

5) With a neat diagram explain the design of a Phonebook application. (10)

6) Explain the keywords a) super b) this c) Integer d) implements e) extends (10)

7) With a neat example, explain the concept of Wrapper Class in JAVA. (10)

8) What are Access Specifiers? Explain the Access modifiers in JAVA with neat examples. (10)

9) What is spiral model? Explain with a neat diagram. (10)

10) What is testing? Explain a) Whitebox testing b) Blackbox testing. (10)

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