Question Paper

MANIPAL ACADEMY OF HIGHER EDUCATION

Manipal School of Information Sciences, Manipal
Second Semester Master of Engineering - ME (Embedded Systems) Degree Examination (Makeup) - August 2022

Embedded Software Design [ESD 5203]

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

Saturday, August 13, 2022

Answer all the questions.

1)	With a neat diagram, explain JDK, JRE (TLO3.1) (10 Marks)	(10)
2)	Explain the concept of Inheritance with examples. (TLO1.1) (10 Marks)	(10)
3)	Explain the concept of CLA in JAVA with examples. (TLO3.1) (10 Marks)	(10)
4)	Explain the concept of Interface with an example. (TLO3.1) (10 Marks)	(10)
5)	Explain the Thread class with example in JAVA. (TLO4.2) (10 Marks)	(10)
6)	Explain Object Diagram with example. (TLO1.2) (10 Marks)	(10)
7)	A. Explain the Primitive Data Types in JAVA. B. What are Wrapper classes and how they differ with Primitive Data Types. (TLO3.2) (5+5 =10Marks)	(10)
8)	Explain DataOutputStream and DataInputStream with examples. (TLO3.2) (5+5 = 10 Marks)	(10)
9)	With a neat diagram, explain the Spiral Model. (TLO2.2) (10 Marks)	(10)
10)	With a neat diagram, explain JUNIT Testing. (TLO4.3) (10 Marks)	(10)

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