

Question Paper

Exam Date & Time: 22-Nov-2018 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SCHOOL OF INFORMATION SCIENCES

FIRST SEMESTER MASTER OF ENGINEERING - ME (MEDICAL SOFTWARE) Software Engineering [MMS 607]

Marks: 100

Duration: 180 mins.

END SEMESTER DEGREE EXAMINATION NOVEMBER 2018

Answer all the questions.

- 1) Explain the classical life cycle model (10)
10 Marks
- 2) Compare Function oriented and object oriented design. (10)
10 Marks
- 3) Write Short notes on: (10)
a. Requirement Specification.
5 Marks
b. Code Review
5 Marks
- 4) Explain activity network in detail? (10)
10 Marks
- 5) Discuss the techniques for representing the complex logic. (10)
10 Marks
- 6) Discuss the steps involved in developing the DFD model of a system. (10)
10 Marks
- 7) a) List different types of views and diagrams captured by UML (10)
8 Marks
b) Discuss actor in use case model
2 Marks
- 8) What are interaction diagrams? Explain sequence and collaboration diagram with example? (10)
10 marks
- 9) What are the approaches used to design black-box test cases explain with an (10)

example.

10 Marks

- 10) What is system testing and discuss at least four methods for system testing. (10)

10

Marks

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