Question Paper

MANIPAL ACADEMY OF HIGHER EDUCATION

Manipal School of Information Sciences, Manipal
Second Semester M.Sc. Information Science Degree Examination - June 2022

Software Engineering [MIS 504]

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

Saturday, June 25, 2022

Answer all the questions.

1) Explain any five software myths with an example for each of them. (10)

2) a) Show the block diagram of a software project life cycle. 5 Marks
b) Name five management activities and briefly write what you mean about each activity.
5 Marks (10)

3) a) List and explain at least four commonly experienced problems from customers of the products? 5 Marks
b) Write a short note on the stakeholders in a project? 5 Marks (10)

4) a) List various phases and explain three phases of the SDLC with details of each stage? 5 Marks
b) List the advantages of Incremental Process Model 5 Marks (10)

5) What are Gantt charts? Explain with a neat diagram. (10)

6) Explain the steps involved in developing the DFD model of a system. (10)

7) Discuss the techniques for representing the complex logic. (10)

8) A software system called RMS calculating software reads three integer numbers from the user in the range between -1000 to +1000 and determines the root mean square (RMS) of the three input numbers and then display the result. Prepare Level 0, Level_ 1, Level 2 DFD's and data dictionary. (10)

9) Write a short note on the following with suitable example: (10)

Object and Class 4 Marks
Inheritance and multiple inheritance 6 Marks

10) Discuss unit testing in detail. (10)

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