Roll No ....

MCADD-505

M.C.A. (Integrated), V Semester

Examination, November 2019

Software Engineering

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions..

ii) All questions carry equal marks.

1. a) Define Software Engineering. What are the characteristics of a good software?   7

   b) What do you mean by Software life cycle model? Describe prototyping model.   7

2. a) Mention the major activities that are under taken during the development of a software product and which activity spans all the development phases.   7

   b) Describe Layered software design technique with its advantages. Give suitable example.   7

3. a) What are the responsibilities of a software project manager?   7

   b) Compare Line of code and Function point metric.   7

4. a) Write objectives of feasibility study. What activities are carried out during the feasibility study?   7

   b) Describe Project scheduling. Also write the uses of Gantt charts and PERT charts.   7

5. a) Explain SRS. Write characteristics of a good SRS document.   7

   b) What is meant by RISK Management? What activities are conducted under Risk Management?   7

6. a) Explain Cohesion. Which are the different classes of cohesion.   7

   b) Distinguish between DFD and a Flow chart.   7

7. a) Write a detailed note on Transaction processing.   7

   b) Discuss process models for software maintenance. What are the different types of maintenance that a software product might need.   7

8. a) Explain Black Box casting.   7

   b) Why program analysis tools are needed? Categorize them and explain each.   7

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