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Roll No

MCADD-505

M.C.A. (Dual Degree/Integrated Course), V Semester

Examination, November 2018

Software Engineering

Time : Three Hours

Maximum Marks : 70

Note: i) Answer any five questions..

ii) Each question carry equal marks.

1. a) Explain the different phases involved in waterfall life cycle. 7
- b) Explain in detail Boehm's spiral model for software life cycle and discuss various activities in each phase. 7
2. a) Explain about the incremental model. 7
- b) Explain the feasibility studies. What are the outcomes? Does it have either implicit or explicit effects on software requirement collection? 7
3. a) Explain the ways and means for collecting the software requirements and how are they organized and represented? 7
- b) Describe how software requirements are documented? State the importance of documentation. 7

4. a) What is COCOMO model? Give the procedure of the Delphi method. 7
- b) List out the basic principles of software project scheduling. 7
5. a) Explain data architectural and procedural design for a software. 7
- b) Justify "Design is not coding and coding is not design". 7
6. a) Describe verification and validation criteria for a software. 7
- b) Explain automated testing tools. How test cases are generated? 7
7. a) Explain the need for software measures and describe various metrics. 7
- b) What do you mean by system testing? Give a case study of a system testing for operating system? 7
8. a) Explain the framework suggested by CMM for managing software process. Discuss its impact on software development life cycle. 7
- b) Explain any two testing methods for software quality assurance program. 7
