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## **MCADD-505**

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

Examination, May 2023

### **Software Engineering**

*Time : Three Hours*

*Maximum Marks : 70*

**Note:** i) Attempt any five questions.

ii) All questions carry equal marks.

1. a) What are software myths? Also explain types of myths.  
b) What is Rational Unified Process? Explain with the help of example.
2. a) How is the analysis model created and what are its elements?  
b) What is computer- aided software engineering? Explain.
3. a) What is main component of a software requirement analysis and specification?  
b) Explain the project monitoring and control process.
4. a) Define different types of risks involved in software project management.  
b) Discuss the different steps of preparing the schedule. What are the inputs and outputs required by schedule?

5. a) What is software reuse? And also differentiate between generator-based reuse and application system reuse.  
b) What is difference between verification and validation?
6. a) What is Extreme programming? Explain in details.  
b) What is analysis model in software engineering? What are the two parts of analysis model?
7. a) Discuss problem associated with software project planning.  
b) Define the CMMI process improvement framework in detail.
8. Write short notes on the following:
  - i) *Process and product quality*
  - ii) *Test automation*

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