

**UNIT – IV**

8. (a) What is Software Maintenance ? What is the importance of Software Maintenance ? What are various type of software maintenance ? Discuss in detail. 8
- (b) What is Software Configuration Management ? Discuss the importance of software configuration management in detail. 8
9. (a) What is Software Reuse ? State the reasons for software reuse. Also state the benefits of Software Reuse. 8
- (b) What is Software Quality Assurance (SQA) ? What are the goals of SQA ? What are the major SQA activities ? Explain in detail. 8

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Roll No. ....

**67173**

**MCA 4th Semester (With New Notes)  
Examination – May, 2018**

**SOFTWARE ENGINEERING (New)**

**Paper : MCA-403**

*Time : Three Hours ]*

*[ Maximum Marks : 80*

*Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.*

*Note : Attempt any five questions at least one from each Unit. Question No. 1 is compulsory. All questions carry equal marks.*

1. (a) What is software myths ? Explain. 2
- (b) What is Process scheduling ? Explain. 2
- (c) What do you mean by software requirement specification document ? Explain. 2
- (d) What do you mean by software documentation ? Explain. 2

- (e) What is defect testing ? Expl 2
- (f) What do you mean by softw olution ? 2
- (g) What do you mean by proje ics ? Explain. 2
- (h) What do you mean by debug ols ? Explain. 2

**UNIT – I**

- 2. (a) What do you understand software Process Models ? Compare waterf del and spiral model of Software Developn 8
- (b) What is Software Enginee What are the essential characteristics challenges of software engineering ? Explk 8
- 3. (a) What do you mean by softw ject planning ? Also outline the goals tware project planning. 8
- (b) Explain elaborately the va strategies and steps involved in risk manag 8

**UNIT – II**

- 4. (a) What is Software Requi Specification (SRS) ? Explain how the ment process converts the client needs to elated Software Requirement Specification (S 8

- (b) What do you mean by Software Project Estimation models? Explain COCOMO model in detail. 8
- 5. (a) What is Software Requirements Engineering ? Discuss the various requirements engineering processes in detail. 8
- (b) What are software metrics ? Discuss the effect of software metrics on software productivity. 8

**UNIT – III**

- 6. (a) What is software design process ? Explain the principles and levels of software design in detail. 8
- (b) What is computer aided software engineering (CASE) ? What are various types of CASE tools ? Explain. 8
- 7. (a) What is software testing ? How is testing important in software life cycle ? Discuss the objectives of software testing. 8
- (b) What is Software Reliability ? How does it contribute to software quality ? Explain. 8