

No. of Printed Pages : 03

Roll No. ....

**CC-685**

**M.C.A. EXAMINATION, May 2018**

(Third Semester)

(B. Scheme) (Re-appear Only)

(M.C.A.)

MCA509

SOFTWARE ENGINEERING

*Time : 3 Hours]*

*[Maximum Marks : 75*

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

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**Note :** Attempt *Five* questions taking at least *one* question from each Unit. All questions carry equal marks.

(3-28/9) M-CC-685

**P.T.O.**

### **Unit I**

1. What is Software ? Give introduction of Software Engineering. Also explain Software Crisis. **15**
2. Explain Waterfall Model in detail. **15**

### **Unit II**

3. What are design models for architecture ? Also explain problem partitioning with an example. **15**
4. What is Structural Programming ? Explain information hiding with suitable example. **15**

### **Unit III**

5. How test cases are designed ? Explain various software testing strategies. **15**
6. Explain the following : **15**
  - (a) ISO 9000 Certification for Software Industry
  - (b) CMM.

### **Unit IV**

7. What are Software Metrics ? Explain Metrics for Design Model. **15**
8. Explain the architecture of CASE Environment. Also explain Turbo Analyst. **15**