2. Explain and compare the merits and demerits of Waterfall model and prototyping model. **15**

Unit II

3. What is problem partitioning in design ? Explain and compare functional versus objected oriented design approach. **15**

4. What is Information Hiding in Coding ? Explain various programming styles. **15**

Unit III

5. What is Software testing ? Differentiate alpha and beta testing and white box and black box testing. **15**

6. Explain the following : **15**
   (a) CMM
   (b) Quality control and quality assurance.

Unit IV

7. What is software metrics ? Explain metrics for testing. **15**

8. Explain the CASE tools and its scope. **15**

CC-685

M.C.A. EXAMINATION, Dec. 2017

(Third Semester)

(B. Scheme) (Main & Re-appear)

MCA-509

SOFTWARE ENGINEERING

Time : 3 *Hours*] [*Maximum Marks :* 75

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.

Note : Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

Unit I

1. What is Software Engineering ? Explain Software Characteristics. **15**