

**S.D.E.**  
**M.C.A. Sem – II (CBCS - 2018 Course) : SUMMER - 2019**  
**SUBJECT : SOFTWARE ENGINEERING**

Day : Saturday  
Date : 04/05/2019

Time : **02.00 P.M. TO 05.00 P.M.**  
Max. Marks : 70

**S-2019-5247**

---

**N.B.:**

- 1) Attempt **ANY FOUR** questions from Section – I and **ANY TWO** questions from Section – II.
  - 2) Answers to both the sections should be written in **SAME** answer book
  - 3) Figures to the right indicate **FULL** marks.
- 

**SECTION – I**

- Q.1** Define software engineering. Explain with diagram waterfall software development model. [10]
- Q.2** What is requirement engineering and explain its types. [10]
- Q.3** Explain cohesion and coupling concept with examples. [10]
- Q.4** Explain the white box testing and black box testing with example. [10]
- Q.5** What is CASE? Describe any three CASE tools in detail for project management support. [10]
- Q.6** Write short notes on **ANY TWO** of the following: [10]
- a) Baseline
  - b) SQA plan
  - c) Debugging process

**SECTION – II**

- Q.7** Draw and explain entity relationship diagram (ERD) for hospital management system. [15]
- Q.8** Explain software change management (SCM) process with following points: [15]
- i) Identification of object
  - ii) Version control
  - iii) Change control
- Q.9** Explain rapid application development model with suitable diagram. [15]

\* \* \* \*