

**S.D.E.**  
**M.C.A. Sem - III : SUMMER - 2019**  
**SUBJECT: SOFTWARE ENGINEERING**

Day: Monday  
Date: 13/05/2019

Time: 10.00 AM TO 1.00 PM  
Max. Marks: 80

S-2019-5260

**N.B.:**

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

**SECTION-I**

- Q.1** Discuss various types of fact-finding techniques with their merits and demerits. (10)
- Q.2** What is checklist? Why checklists is needed in software inspection? Explain with suitable example. (10)
- Q.3** What do you mean by data dictionary? Explain with suitable example. (10)
- Q.4** What are the golden rules of user interface? Explain in detail all the rules. (10)
- Q.5** Explain software configuration management process in detail. (10)
- Q.6** What is CASE? Explain types of it. (10)
- Q.7** Write short notes on: (Any **TWO**) (10)
- a) Prototyping
  - b) User profile
  - c) Software Maintenance

**SECTION-II**

- Q.8** A private sector bank like to start Internet Banking Facility for its customers. The Bank management has decided to implement the Internet Banking system in a progressive manner. At first stage, savings account services will be covered. After completion of first stage, current accounts, deposits, loans, transfer and other remaining banking services will be covered in implementation of Internet banking services. By considering above scenario, suggest an appropriate software lifecycle model for development. Justify it with its advantages and disadvantages. (15)
- Q.9** Hitech University has computerized its examination system which includes the procedures like : (15)
- a) Receiving examination forms filled by the students from different institutes and validates them.
  - b) Sending time table and admit cards to different institutes and examination centers.
  - c) Entering marks after assessment of answer sheet and printing mark sheets.
- Draw context level and first level DFD for the above case.
- Q.10** What is SRS? Give the outline of the SRS document. (15)