

**M.C.A. Sem - III (Choice Based Credit System 2011 & 2012 Course) :
SUMMER - 2019**

SUBJECT : SOFTWARE ENGINEERING

Day : Thursday
Date : 02/05/2019

S-2019-2171

Time 02.00 PM TO 05.00 PM
Max. Marks : 100

N.B.

- 1) Attempt any **FOUR** questions from Section – I . Each question carries 15 marks.
 - 2) Attempt any **TWO** questions from Section – II. Each question carries 20 marks.
 - 3) Answers to both the sections should be written in **SAME** answer book.
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SECTION – I

- Q.1** Define Software? Explain the different phases of SDLC.
- Q.2** What is requirement engineering? Explain the different types of requirements.
- Q.3** What is SRS? Write the characteristics of SRS. Discuss the structure of SRS.
- Q.4** Describe the following concepts:
a) Modularity
b) Structural Partitioning
c) Refinement
- Q.5** Write short note on any **TWO** of the following:
a) SQA activities
b) Debugging process
c) Re-engineering

SECTION – II

- Q.6** In a car service station, complaints are taken and an estimate of the work is given immediately. Resources are assigned to the job. Once repaired a bill is prepared for actual cost. Draw Context level, 1st Level DFD and ERD for the same.
- Q.7** a) Explain how change control and version control are carried out.
b) Explain the Spiral model in detail.
- Q.8** Write short note on any **TWO** of the following:
a) System testing
b) Scrum model
c) Structured programming

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