BACHELOR OF COMPUTER APPLICATIONS (CBCS - 2018 COURSE)
B.C.A. Sem-III : : SUMMER - 2022
SUBJECT : SOFTWARE ENGINEERING

Day : Thursday   Time : 02:00 PM-05:00 PM
Date : 26-05-2022   **S-18768-2022**   Max. Marks : 60

N. B. :

1) **Q. No. 4** is **COMPULSORY**.
2) Attempt **ANY TWO** questions from **Q. No 1, 2, 3** in Section – **I**.
3) Attempt **ANY TWO** questions from **Q. No 5, 6, 7** in Section – **II**.
4) Figures to the right indicate **FULL** marks.
5) Answers to both the sections should be written in **SAME** answer book.

SECTION – I

Q. 1 **a)** What is mean by Software? Explain different characteristics of Software.   **(06)**

b) Explain Prototyping Model in detail.   **(06)**

Q. 2 **a)** What is mean by Requirement Engineering? Explain characteristics of Good   **(06)**
SRS.

b) What is mean by Model? Explain Waterfall model.   **(06)**

Q. 3 **a)** Explain Software Requirement Specification document Outline.   **(06)**

b) What is Decision Table? Explain it with one example.   **(06)**

Q. 4 Write short notes on **ANY THREE** of the following: **(12)**

a) Pseudo code
b) Integration Testing
c) Rapid Application Development model
d) Cost Benefit Analysis

SECTION – II

Q. 5 **a)** What is configuration management? Explain SCM (Software Configuration   **(06)**
Management) process.

b) Explain Verification and Validation process.   **(06)**

Q. 6 **a)** What is cohesion? Explain different types of Cohesion.   **(06)**

b) What is software maintenance? Explain Maintenance Activities.   **(06)**

Q. 7 Write short notes on **ANY THREE** of the following: **(12)**

a) Entity – Relationship Diagrams
b) Structured Chart
c) SQA Plan
d) Reuse Oriented Model

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