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

Day : Wednesday

Time : 10:00 AM-01:00 PM

Date : 30-11-2022

W-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.
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SECTION – I

- Q. 1** a) What is Software Engineering? Explain importance of Software Engineering. (06)
- b) Explain the role of members involved in development team. (06)
- Q. 2** a) What is Feasibility Study? Explain different types of feasibility study. (06)
- b) Explain the concept of Cost Benefit Analysis. (06)
- Q. 3** a) What is mean by Requirement Engineering? Explain any two types of Requirement elicitation techniques. (06)
- b) Explain the Decision tree concept with example. (06)
- Q. 4** Write short notes on **ANY THREE** of the following: (12)
- a) Entity – Relationship Diagrams
 - b) Rapid Application Development model
 - c) Software Development Life Cycle
 - d) Cost Benefit Analysis

SECTION – II

- Q. 5** a) What is White Box Testing? Explain Basis path testing. (06)
- b) Explain the Formal Technical review in detail. (06)
- Q. 6** a) What is Software Quality? Explain software quality assurance activities. (06)
- b) What is Software Maintenance? Explain categories of Software Maintenance. (06)
- Q. 7** Write short notes on **ANY THREE** of the following: (12)
- a) Pseudo code
 - b) Software Configuration Management
 - c) Characteristics of good SRS
 - d) Version control

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