

CDOE
BACHELOR OF COMPUTER APPLICATIONS (CBCS-2018 COURSE)
B.C.A. Sem-III : WINTER :- 2021
SUBJECT: SOFTWARE ENGINEERING

Day : Wednesday
Date 16-02-2022

W-18997-2021

Time : 02:00 PM-05:00 PM
Max. Marks: 70

N.B:

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

SECTION-I

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|------------|---|-------------|
| Q.1 | What is Software Engineering? Write principles of Software Engineering. | (10) |
| Q.2 | Explain Waterfall model with its advantages and disadvantages. | (10) |
| Q.3 | Explain any three requirement elicitation techniques. | (10) |
| Q.4 | What do you mean by SRS? Explain its structure in detail. | (10) |
| Q.5 | State and explain Data Dictionary with example. | (10) |
| Q.6 | Write short notes on ANY TWO of the following: | (10) |
| | a) Pseudo Code | |
| | b) Unit testing | |
| | c) Cohesion | |

SECTION-II

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|------------|---|-------------|
| Q.7 | Explain Formal Technical Review in brief. | (15) |
| Q.8 | Draw Context Level and First Level DFD for Library Management System. Also draw ERD for the same. | (15) |
| Q.9 | Write short notes on ANY TWO of the following: | (15) |
| | a) Members involved in software development | |
| | b) Maintenance Process | |
| | c) SQA activities | |

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