

BACHELOR OF TECHNOLOGY (C.B.C.S.) (2021-COURSE)
B. Tech. Sem - III Computer Science & Business Systems : WINTER- 2022
SUBJECT : ITC-I: SOFTWARE ENGINEERING

Day : Monday

Time : 10:00 AM-01:00 PM

Date : 19-12-2022

W-24146-2022

Max. Marks : 60

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate **FULL** marks.
- 3) Use of non-programmable calculator is **allowed**.
- 4) Assume suitable data **WHEREVER** necessary.
- 5) Draw neat diagram **WHEREVER** necessary.

- Q.1 What is Software Engineering? Explain its detail SDLC. (10)
OR
Q.1 Draw and Explain Software Development life cycle with example. (10)
- Q.2 Draw and explain Software Project Management life cycle in detail. (10)
OR
Q.2 Describe Software Cost Estimation and Software Project Planning. (10)
- Q.3 Draw and explain capability maturity models in detail. (10)
OR
Q.3 Explain the term of software reliability and estimation. (10)
- Q.4 Explain in detail with example software requirement specifications. (10)
OR
Q.4 Discuss decision tables, event tables and state transition tables in detail. (10)
- Q.5 What is object oriented concepts? Explain in detail object oriented construction. (10)
OR
Q.5 Explain class responsibility/collaborator in detail. (10)
- Q.6 Explain Basic testing concepts and its types in detail. (10)
OR
Q.6 Differentiate between black box and white box testing with example. (10)
