

NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR
MID SEM EXAMINATION, OCT-2021 (JUL-DEC 2021 SESSION)
SUBJECT: SOFTWARE ENGINEERING (CS 304), 5th Sem B.Tech.
MAX MARKS-20 TIME:- 1 HOUR

1. (a) Give standard IEEE definition of Software Engineering. Discuss why Software Engineering is called “Engineering” and discuss its difference with other Engineering branches. [3]

(b) What are the significance of Life cycle models? With appropriate examples discuss and differentiate between two Incremental and Iterative life cycle models. [4]

(c) Describe the structure and components of SRS document as per the IEEE standard. [3]
2. Suppose you are asked to build a Office automation software for NIT Silchar. Which software development life cycle model will be most appropriate and Why? Discuss the key functions you perform in various stages involved? [5]
3. (a) Describe PIECES framework? [3]

(b) Discuss with an example the difference between two different types of models for effort estimation? [2]