

**INTERNAL SESSIONAL EXAMINATION
BTECH-DECEMBER (2021)**

Paper Code: PEC-CSE-315G

Subject: Software Engineering

Time: Two hours

Max. Marks: 30

Note: Attempt any *three* questions including Q.no. 1 which is compulsory. All questions carry equal marks.

Q.1. Explain the following: (2 X 5 =10)

- a) Define Software Engineering
- b) Discuss techniques used to reduce problem complexity in Software Engineering
- c) What do you understand by software crisis?
- d) Define LOC
- e) What are 4P's in Software Project Management?

Q.2. (a) Why is Software Engineering needed? Explain (5)

(b) What are the characteristics of good software? (5)

OR

(a) Discuss the importance of SDLC. (5)

(b) Explain Waterfall Model in Detail (5)

Q.3. (a) Discuss various design strategies while developing the software. (5)

(b) Why is software metric needed? Discuss. (5)

OR

(a) Discuss Data Structure Metric (5)

(b) Explain Spiral Model in detail. (5)

***** BEST OF LUCK*****