

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

Day : Thursday

Time : 10:00 AM-01:00 PM

Date : 15-12-2022

W-25313-2022

Max. Marks : 60

**N. B. :**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat and labelled diagrams **WHEREVER** necessary.
- 4) Assume suitable data, if necessary.

- Q. 1** a) Explain waterfall model with diagram. (05)  
b) What are different stages in software evaluation? (05)

**OR**

What is Agile Development? Explain Agile process model in detail. (10)

- Q. 2** What is Software Requirement Specification? Explain with specification outline. (10)

**OR**

What is the role of communication techniques in Requirement Analysis? (10)

- Q. 3** Explain in detail software project management and selection of project approach. (10)

**OR**

Write short notes on **ANY TWO** of the following: (10)

- a) Project Planning
- b) Project Scheduling
- c) Risk Management

- Q. 4** a) What is Functional Independent? (05)  
b) What is Interface Design Flow? (05)

**OR**

- a) Explain component level and deployment level design element. (06)
- b) Explain Object Oriented Design concept. (04)

- Q. 5** a) Define Software Testing. Explain objective of software testing. (06)  
b) Explain software testing life cycle. (04)

**OR**

- Q. 5** Explain the following: (10)  
a) Integration Testing  
b) Unit Testing

- Q. 6** a) Explain Software Restructuring. (05)  
b) What do you mean by maintenance and supportability? (05)

**OR**

- Explain following Terms: (10)  
a) Reverse Engineering  
b) Business Process Re-engineering