

**BACHELOR OF TECHNOLOGY (C.B.C.S.) (2020 COURSE)**  
**B.Tech.Sem - III CS&E : : SUMMER - 2022**  
**SUBJECT : SOFTWARE ENGINEERING**

Day : Thursday  
Date : 2/6/2022

**S-24295-2022**

Time : 02:30 PM-05:30 PM  
Max. Marks : 60

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**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.
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**Q. 1**      What is software process? Explain its levels in detail. **(10)**

**OR**

- a) Explain software Myths and Realities. **(05)**
- b) What are different stages in Software Evolution? **(05)**

**Q. 2**      Write short notes on the following: **(10)**

- a) Behaviour Modelling
- b) CASE Tool

**OR**

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

**Q. 3**      a) What is software Quality Management? **(05)**  
              b) Explain project planning. **(05)**

**OR**

- a) Explain project scheduling. **(05)**
- b) Explain software project management. **(05)**

**Q. 4**      a) Explain Architecture Design Model. **(05)**  
              b) What is Interface Design Flow? **(05)**

**OR**

- a) Explain Data Design model. **(05)**
- b) What is Object Oriented Design concepts? **(05)**

**Q. 5**      Explain verification and validation in detail. **(10)**

**OR**

- a) Explain software testing life cycle in detail. **(06)**
- b) How we do website testing? Explain steps. **(04)**

**Q. 6**      Explain following Terms: **(10)**

- a) Forward Engineering
- b) Reverse Engineering

**OR**

- a) What is Business Process Re-engineering? **(06)**
- b) Explain Software Re-structuring. **(04)**

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