

Total No. of Questions : 4]

SEAT No. :

**PF213**

[Total No. of Pages : 1

**APR-26/SE/Insem-262**

**S.E. (Computer Engg./AI & DS/ Computer Science)**

**SOFTWARE ENGINEERING**

**(2019 Pattern) (Semester - IV) (210253) (Insem)**

*Time : 1 Hour]*

*[Max. Marks : 30*

*Instructions to the candidates:*

- 1) *Attempt Q.1 or Q.2 and Q.3 or Q.4.*
- 2) *Neat diagrams must be drawn wherever necessary.*
- 3) *Figures to the right indicate full marks.*
- 4) *Assume suitable data if necessary.*

- Q1)** a) Define software engineering. Compare Software and hardware based on their failure curves. [5]
- b) Differentiate between conventional and agile software approach. [4]
- c) Enlist and explain software myths. [3]
- d) Explain software process frameworks in detail. [3]

OR

- Q2)** a) Explain with neat diagram prototyping model. State its advantages and disadvantages. [5]
- b) Write a short note on extreme programming. [4]
- c) Differentiate between waterfall model and incremental model. [3]
- d) Explain Umbrella activities in detail. [3]

- Q3)** a) Define SRS (Software Requirement Specification). Explain the general format of SRS. [7]
- b) Differentiate between functional and non-functional requirements. [4]
- c) Draw use case diagram for library management system. [4]

OR

- Q4)** a) State and explain the various tasks of requirement engineering in detail. [7]
- b) "Requirement elicitation is difficult". Identify the statement is true or false. Justify your answer. [4]
- c) Explain DFD level 0 and DFD level 1 with suitable example. [4]

