

Total No. of Questions : 4]

SEAT No. :

PB25

[Total No. of Pages : 1

[6268]-219

S.E. (Computer Engineering)/(AI&DS) (Insem)

SOFTWARE ENGINEERING

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

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

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

- Q1)** a) Define Software Engineering. List and explain the software characteristics that describes the nature of software. [7]
- b) Explain Evolutionary process models mentioning the types of projects for which they are suitable. [5]
- c) Compare between the Plan-driven and Agile development. [3]

OR

- Q2)** a) Explain with neat diagram of Incremental model and write its advantages & disadvantages. [7]
- b) Explain the phases of unified process model. [5]
- c) Explain about concurrent development model. [3]

- Q3)** a) Explain the task done during requirement engineering. What is requirement elicitation? Explain why it is considered as a difficult task. [7]
- b) Explain quality function deployment. What are types of requirements? [5]
- c) Explain about the building the requirements model. [3]

OR

- Q4)** a) Explain the general process models of the requirements elicitation. [7]
- b) Write about Negotiate requirement analysis process & validate requirement analysis process. [5]
- c) Explain DFD level 0 and DFD level 1 with suitable example. [3]

