

Total No. of Questions : 4]

SEAT No. :

**PB38**

[Total No. of Pages : 1

[6268]-232

**S.E. (Information Technology) (Insem)**

**SOFTWARE ENGINEERING**

**(2019 Pattern) (Semester-IV) (214454)**

*Time : 1 Hour]*

*[Max. Marks : 30*

*Instructions to the candidates:*

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

- Q1)** a) What you mean by software engineering? Explain the failure curve of hardware and software. [5]
- b) What are myths? What are the types of myths? Explain customer myths along with its reality. [5]
- c) Explain waterfall model along with diagram and also state its merits and demerits. [5]

OR

- Q2)** a) Explain in detail scrum process along with its diagram. [7]
- b) Write a short note on following [4+4]
- i) Pair programming
  - ii) Agile manifesto

- Q3)** a) Explain Kano model specifying its key characteristics with a neat diagram. [5]
- b) What are the different techniques used in requirement elicitation? Explain any two in detail. [5]
- c) How does a software project gets initiated explain with suitable example. [5]

OR

- Q4)** a) Explain functional and non-functional requirements with example. [5]
- b) What is a class diagram? Explain the usage of different components of class diagram with an example. [5]
- c) What is the use of use-case diagram? Draw a use-case diagram for library management system. [5]

