

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]

