

Total No. of Questions : 5]

SEAT No. :

**P1289**

[Total No. of Pages : 2

**[6055]-102**

**S.Y.B.Sc. (Computer Science)**

**CS - 232 : SOFTWARE ENGINEERING**

**(2019 CBCS Pattern) (Semester - III) (23122)**

*Time : 2 Hours]*

*[Max. Marks : 35*

*Instructions to the candidates:*

- 1) *All questions are compulsory.*
- 2) *Neat diagrams must be drawn if necessary.*

**Q1)** Attempt any EIGHT of the following.

**[8×1=8]**

- a) What is Software Patterns?
- b) Define : Software Engineering.
- c) Explain the purpose of sequence model.
- d) Define: Dependency.
- e) What is agility?
- f) What is the importance of design model?
- g) State in brief for separation of concerns.
- h) Explain requirement validation.
- i) What is meant by XP?
- j) Define : prototyping.

**Q2)** Attempt any four of the following.

**[4×2=8]**

- a) Explain in brief about waterfall model.
- b) State any two symbols with an example for developing use cases.
- c) State the disadvantages Incremental model.
- d) What is difference between system and application software?
- e) Explain the purpose of class diagram.

**P.T.O.**

**Q3)** Attempt any TWO of the following: **[2×4=8]**

- a) List the activities of spiral model in detail.
- b) Explain any four symbols of class diagram.
- c) Draw an activity diagram for Airline reservation system.

**Q4)** Attempt any two of the following: **[2×4=8]**

- a) Explain the purposes served by software requirement specification.
- b) Write in detail for Dynamic system development model.
- c) Explain a software process framework in detail.

**Q5)** Attempt any one of the following: **[1×3=3]**

- a) Draw a sequence diagram for student registration system.
- b) State any six attributes of good software.

