

Total No. of Questions : 5]

SEAT No. :

**PA-1011**

[Total No. of Pages : 2

[5902]-32

**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 a unified process?
- b) What is ASD?
- c) List the goals of Software Engineering.
- d) What is elicitation?
- e) What is negotiation?
- f) Draw a symbol of extend.
- g) Define : Association.
- h) List of UML diagrams (any Two).
- i) What is software design?
- j) Define : data Abstraction.

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

**[4×2=8]**

- a) What is system software and Application Software?
- b) What are the advantages of scrum?
- c) What is class and object?
- d) What is Actor?
- e) What are the elements of design model?

***P.T.O.***

**Q3)** Attempt any TWO of the following.

**[2×4=8]**

- a) Define terms:
  - i) Agile Method
  - ii) Agile Process
- b) What is software requirement specification?
- c) What is modularity? Explain its benefits.

**Q4)** Attempt any TWO of the following.

**[2×4=8]**

- a) Explain advantages and disadvantages of spiral model.
- b) Define terms:
  - i) Active class
  - ii) Component
  - iii) Artifact
  - iv) Node
- c) Describe component diagram in brief and draw a component diagram for online shopping.

**Q5)** Attempt any ONE.

**[1×3=3]**

- a) Explain any three notation of activity diagram with each notation symbols.
- b) Explain water fall model with diagram.

