Seat Number: - _____

Duration: 2 1/2Hrs S4C2 - H46A23SE -(04) Marks:- 75

Note:- 1) All questions are compulsory.
2) Figures to the right indicate maximum marks.

Q1. Attempt any "Four" of the following : (5x4) (20)

1. State and explain the activities in SDLC. (CO1-R)
2. Draw Use Case Diagram for car rental system. (CO3 - C)
3. State and Explain types of SRS. (CO1-R)
4. What is Component Diagram? Draw and explain symbols for the same. (CO1-R)
5. How to Draw and where to use Deployment Diagram?. (CO2-U)
6. Write short note on Waterfall Model. (CO1-R)

Q2. Attempt any "Four" of the following : (5x4) (20)

1. Write a short note on Spiral Model. (CO3-R)
2. What is test first development? State its advantages (CO3-R)
3. Give various approaches for identifying classes. Explain any 2 in brief. (CO3-R)
4. Explain COCOMO model in details with example. Give its advantages? (CO2-U)
5. Define the characteristics of a software. (CO1-R)
6. What is pair programming? What is it important . (CO1-R)

Q3. Attempt any "FOUR" of the following: (5x4) (20)

1. What is the role of SQA, State the task of SQA. (CO1-R)
2. What is Risk identification? Explain the need of RMMM plan. (CO2-U)
3. What is meant by Quality function deployment? (CO1-R)
4. Explain the concept of make & decision. (CO3-U)
5. Explain the basic principles behind project scheduling? (CO1-U)
6. What are the characteristics of a good SRS? . (CO1-R)

Q4. Answer the following : (any five) (15)

1. Explain requirement Validation. (CO1 –U)
2. Explain Aggregation and Composition with suitable example. (CO1-U)
3. State and explain the Quality metrics. (CO1-R)
4. Write short notes on Code Inspection. (CO1-R)
5. State the difference between White Box Testing and Black Box Testing. (CO1-R)
6. Explain the various types of testing metrics. (CO3-U)