Code: CS7T5A

## IV B.Tech - I Semester – Regular/Supplementary Examinations March 2021

## SOFTWARE ENGINEERING
### (COMPUTER SCIENCE & ENGINEERING)

Duration: 3 hours                               Max. Marks: 70

## PART – A

Answer **all** the questions.   All questions carry equal marks

$$11 \times 2 = 22 \text{ M}$$

1   a) List out Software application domains.

b) What characterizes on "Agile " process?

c) What guidelines can be applied for allocating responsibilities to classes?

d) What is a stereotype?

e) Why should you strive to create independent modules?

f) What type of classes does the designer create?

g) Write the techniques of white box testing?

h) What is the overall strategy for Software testing?

i) Define Software quality.

j) What is the role of an SQA group?

k) Define RMMM.

PART – B

Answer any ***THREE*** questions. All questions carry equal marks.

$$3 \times 16 = 48 \text{ M}$$

2. a) Define Software. List and explain about the elements of Software process.                                           8 M

   b) Describe in detail about waterfall model.                    8 M

3. a) Explain in detail about CRC modeling.                     10 M

   b) Explain how do primary and secondary actors differ from one another in use case description with suitable example.
                                                                                          6 M

4. a) Explain the different types of cohesion.                    8 M

   b) List out various design quality guidelines and attributes.
                                                                                          8 M

5. a) What are Software quality factors?                          6 M

   b) Explain in detail about different types of integration testing.                                                              10 M

6 . Write short notes about the following:
   a) Elements of Software Quality Assurance.              6 M
   b) Software Risk Identification                                    6 M
   c) Metrics and Measures                                            4 M