MAY 2022-ENDSEM EXAM

T.Y. B. TECH. COMPUTER ENGINEERING
(SEMESTER - II)
COURSE NAME: PROFESSIONAL ELECTIVE-III
[SOFTWARE DESIGN AND ARCHITECTURE]
COURSE CODE: CSUA32182C
(PATTERN 2018)

Time: [1 Hr]   Max. Marks: [30]

Instructions to candidates:

1) Figures to the right indicate full marks.
2) Use of scientific calculator is allowed.
3) Use suitable data where ever required.

Q.1   a) Determine and justify various consequences of crosscutting code.   [4]
       b) Implement program in aspect which will use declare and Point.clone().   [6]

OR   [6]

       b) Implement program in aspect which will use Vector and Iterator.

Q2   a) Categories various notations and choosing criteria in architecture   [4]
       documentation.
       b) Decide appropriate components and design sequence diagram for
       documenting behavior for any real time scenario and mention execution   [6]
       occurrences on it.

OR
       b) Decide appropriate components and design template for view documentation   [6]
       also elaborate primary presentation in architecture.

Q.3   a) Identify at least any eight archetypes in software architecture.   [4]
       b) Analyze different approaches for assessing alternative architectural designs. [6]

OR

       b) Analyze different attributes to be consider for design of archetype
       architecture for any system.   [6]