



THE AMERICAN COLLEGE, MADURAI

(An Autonomous Institution Affiliated to Madurai Kamaraj University)
Re-accredited (2nd Cycle) by NAAC with Grade “A”, CGPA – 3.46 on a 4-point scale

Backlog Arrear Examination, March 2021

COURSE CODE: COS 3475/3685
COURSE TITLE: Software Engineering

MARKS : 75
TIME : 3 HRS

ANSWER ANY 5 QUESTIONS

(5*15=75)

Marks

1. Illustrate the Software Process Model and mention each of its software paradigms. **(15)**
2. a. Discuss various Questions to be answered in Requirements Analysis and Negotiation. **(10)**
b. Why Requirement validation is necessary in Software development? **(5)**
3. How do you Proceed User Interface Design Process? Discuss each of its Core elements in building successful software.
4. Explain the Evolutionary WIN-WIN Spiral Model with Neat Sketch. **(15)**
5. a. Elucidate the 5 views of UML. **(8)**
b. Design a Safe house system using DFD. **(7)**
6. Elucidate the need for activity diagram and sequence diagram in software development process with suitable example. **(15)**
7. Identify the stages in Blackbox Testing and Specify your View on Selecting apt model for software testing process. **(15)**