MID SEMESTER EXAMINATION-2019
Introduction To Software Engineering
[IT-3040]

Full Marks: 20   **Time: 1.5 Hours**

Answer any four questions including question No.1 which is compulsory.
The figures in the margin indicate full marks.
Candidates are required to give their answers in their own words as far as practicable and
all parts of a question should be answered at one place only

1. Answer the following   [1X5

    a) Distinguish between a program and a software.
    b) Without preparing the SRS document, an organization might face several problems.
       (True/False) Justify.
    c) List the advantage and disadvantage of prototype life cycle model.
    d) What do you mean by control flow based design? Discuss with an example.
    e) What is debugging?

2.   a) List the major responsibilities of Software Project Manager.   [2.5

    b) What do you mean by agile approach? Explain how it is feasible to software life cycle.
    Explain with each component.   [2.5

3.   a) List five desirable characteristics of a good Software Requirements Specification (SRS)
    document.   [2.5

    b) When does the project planning activities start and end in software life cycle? List the [2.5
    Important activities software project managers perform during project planning.

4.   a) Explain complete COCOMO model with advantages and disadvantages.   [2.5

    b) What are the other software metric systems? Explain each of them and give their   [2.5
    relevance with respect to COCOMO model.

5.   Write Short notes on one any two of the following   [2.5X2

    a)   Non-Functional Requirements
    b)   Waterfall model
    c)   Unit testing

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