(7)   SEAT No._____

SARDAR PATEL UNIVERSITY
TYBBA (ITM) Examination, Semester – V (CBCS)
SOFTWARE ENGINEERING
UM05EBBI14

Date: Saturday 3rd November, 2018
Time: 10:00 a.m. to 12:00 p.m.   **Total Marks: 60**

Q – 1   [A]   Define: Software Engineering. Explain Software Development   [10]
              Phases in detail.

        [B]   Explain Effort and Error Distribution in brief.   [05]

OR

Q – 1   Explain following in detail   [15]
                   a) Waterfall Model
                   b) System Prototype Model
                   c) Spiral Model

Q – 2   Explain Software Requirement Specification with its Characteristics   [15]
              and Components in detail.

OR

Q – 2   [A]   Define: SRS. Explain need of SRS in detail.   [10]
        [B]   Explain Validation of SRS in brief.   [05]

Q – 3   [A]   Explain Software Design principles in detail.   [10]
        [B]   Write a note on: Coupling.   [05]

OR

Q – 3   [A]   Define Design Verification and Explain it in detail.   [10]
        [B]   Explain Functional vs. Object Oriented Approach in brief.   [05]

Q – 4   [A]   Explain Structured Programming and Information Hiding in detail. [10]
        [B]   Write a note on: Black Box Testing and White Box Testing in brief. [05]

OR

Q – 4   [A]   Define: Testing. Explain Various Levels of Testing in detail.   [10]
        [B]   Write a note on: Code Verification.   [05]

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