Software Engg _ Sem-4 _ Jan - 19 SE Exam.
Sem-4

P30/P32/CMP205/EE/20190222

Time : 3 Hours	Marks : 80

Instructions :

1. All Questions are Compulsory.

2. Each Sub-question carry 5 marks.

3. Each Sub-question should be answered between 75 to 100 words. Write every questions answer on separate page.

4. Question paper of 80 Marks, it will be converted in to your programme structure marks.

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1. Solve any **four** sub-questions.

   a) What is Software Engineering? Discuss evolution of Software Engineering. 5

   b) Discuss Software Requirements Specification (SRS) in detail. 5

   c) Explain software testing architecture in brief. 5

   d) Explain the concept of Agile programming with respect to software engineering. 5

   e) Explain different notations used for programming languages. 5

2. Solve any **four** sub-questions.

   a) Enlist and explain software quality attributes. 5

   b) Explain in brief software design levels. 5

   c) Explain the measures coupling and cohesion used in modularization technique. 5

   d) Explain software testing strategies in brief. 5

   e) State and explain the use of CMMI model. 5

3. Solve any **four** sub-questions.

   a) Explain benefits and participants of walk through technique. 5

   b) Explain Spiral model with neat labelled diagram. 5

   c) Explain in detail software change management process. 5

   d) What is software maintenance? Explain its types. 5

   e) Explain in brief DFD. 5

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4. Solve any **four** sub-questions.

   a) Explain structured programming in brief.   5

   b) Explain white box testing in detail.   5

   c) Explain the phases in the software development.   5

   d) Explain the classification of relationship types.   5

   e) Write a note on Data Dictionary.   5

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