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Roll No.

TCS/TIT-504

B. TECH. (CS/IT) (FIFTH SEMESTER) END SEMESTER EXAMINATION, 2018

SOFTWARE PROJECT MANAGEMENT

Time : Three Hours

Maximum Marks : 100

Note : (i) The question paper contains five questions.

(ii) All questions are compulsory.

(iii) Instructions on how to attempt a question are mentioned against it.

(iv) Total marks assigned to each question are **twenty**.

1. Attempt any *two* questions of choice from (a), (b) and (c). (2×10=20 Marks)

(a) Describe the core software metrics used in managing a modern software development process.

(b) Differentiate between SLOC and Function point as a measure of software size.

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Explain, how FP is used for determining the expressiveness of various languages ?

(c) Write about meta, macro and micro processes.

2. Attempt any *two* questions of choice from (a), (b) and (c). (2×10=20 Marks)

(a) What do you mean by Software Economy ? Describe the various ways to improve Software Economy

(b) Write about any *four* modern approach to solve conventional software development problems State the problem and then the solutions.

(c) What are the *three* types of checkpoints of the process in SPM ? Write two points about each type.

3. Attempt any *two* questions of choice from (a), (b) and (c). (2×10=20 Marks)

(a) Explain about the *five* factors which decide the cost of a software.

(b) Describe the various ways for reducing the software product size

(c) What do you mean by Software Change Orders (SCO) ? Write about the basic fields of the SCO.

(3)

4. Attempt any *two* questions of choice from (a), (b) and (c). (2×10=20 Marks)

(a) List some advantages and disadvantages of using Commercial components in SPM.

(b) What do you mean by Work Break Down Structure (WBS) ? Explain with *one* example.

(c) What do you mean by pragmatic software cost estimation ? Write the name of some of the cost estimation MODELS.

5. Attempt any *two* questions of choice from (a), (b) and (c). (2×10=20 Marks)

(a) Explain, Software project Team evolution over the life cycle.

(b) Write about the Release Specifications Management Artifacts. State the *two* important forms of requirements specified in this artifact

(c) Explain about the Pragmatic Artifacts and the issues related to this artifact.

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