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TCS/TIT-701

B. Tech. (CS/IT) (Seventh Semester) End Semester EXAMINATION, 2017

SOFTWARE PROJECT MANAGEMENT

Time : Three Hours]

[Maximum Marks : 100

Note : (i) This 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). (10×2=20 Marks)

(a) Explain the conventional software management performance.

(b) How can the software product size reduced and automation be improved ?

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- (c) What are the different cost estimation techniques ? Explain COCOMO model and its variants with examples.
2. Attempt any *two* questions of choice from (a), (b) and (c). (10×2=20 Marks)
- (a) What are the primary objectives and essential activities of elaboration phase ?
- (b) Write engineering artifacts available at the life cycle phases.
- (c) Create an SRS containing the purpose, scope and External Interface Requirements for a cyber cafe having ten systems. Every time a user comes and request for a computer system it is allocated to him/her for a certain time period and as soon as the time is over, the status of the system is displayed as free and it can be allocated to other users.
3. Attempt any *two* questions of choice from (a), (b) and (c). (10×2=20 Marks)
- (a) Explain software iteration workflows.
- (b) Explain about periodic status assessment.
- (c) Explain about the checkpoints of the process.
4. Attempt any *two* questions of choice from (a), (b) and (c). (10×2=20 Marks)
- (a) Write short notes on the following :
- (i) Project organizations
- (ii) The project environment

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- (b) Explain about Line-of-business organizations.
- (c) A project estimated size is 15000LOC and it is an accounting SW. Calculate the "Effort" in person month and "Time" to develop it, with the number of people required to complete the project using "Intermediate Mode".
5. Attempt any *two* questions of choice from (a), (b) and (c). (10×2=20 Marks)
- (a) Compare and contrast the ISO and CMMI approach to software quality ?
- (b) Explain management indicators, and quality indicators.
- (c) Explain the pragmatic software metrics.

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