

TCS/TIT-504

B. TECH. (CS/IT) (FIFTH SEMESTER) MID SEMESTER EXAMINATION, 2018 SOFTWARE PROJECT MANAGEMENT

Time : 1:30 Hours

Maximum Marks : 50

Note :(i) This question paper contains two Sections.

(ii) Both Sections are compulsory.

Section—A

1. Fill in the blanks/True/False : (1×5=5 Marks)
 - (a) I Waterfall model output of each phase is input to next phase. (True/False)
 - (b) Use case is used for documenting requirements. (True/False)
 - (c) Prototyping is used to clear requirements. (True/False)
 - (d) We use _____ diagram to analyze a requirement from data perspective.
 - (e) Data flow diagram is used to analyze a data of software. (True/False)

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2. Attempt any *five* parts : (3×5=15 Marks)
- (a) Discuss the characteristics of the conventional process of software development.
 - (b) What are the basic *five* parameters of cost models ?
 - (c) Explain software development generations in detail.
 - (d) What do you understand with commercial component ? Explain their role in software development.
 - (e) What are the objectives and activities of construction phase ?
 - (f) Explain the iterative approach of developing the software.

Section—B

3. Attempt any *two* parts of choice from (a), (b) and (c). (5×2=10 Marks)
- (a) How we can reduce the cost of software ? Explain in detail.
 - (b) Explain the *three* distinct process perspective in detail.
 - (c) What are the management artifacts of software development process ? Explain in detail.

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(3)

4. Attempt any *two* parts of choice from (a), (b) and (c). (5×2=10 Marks)
- (a) Explain the life cycle phases of software development.
 - (b) Explain the principles of modern software project management.
 - (c) What are the engineering artifacts of software development process ? Explain in detail.
5. Attempt any *two* parts of choice from (a), (b) and (c). (5×2=10 Marks)
- (a) What do you understand with team effectiveness ? How we can make an effective team ?
 - (b) What is the role of software environment in automation of software development process ?
 - (c) What are the principles of conventional software engineering ?

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