

TYBSCIT Semester – VI – PROJECT MANAGEMENT Question paper
APRIL-2015

- 1. Answer any two of the following. 10**
- a. Discuss the significance, of reducing the product size, on ROI (returns on investment). Explain, briefly, how the product size can be reduced.
 - b. Discuss the key practices that improve overall software quality.
 - c. Discuss Boehm's staffing principles
 - d. Evolution of software economics over three generations.
- 2. Answer any two of the following. 10**
- a. Discuss the Lifecycle, defined for modern software development.
 - b. Define the term "Artefacts". List the five sets of artefacts. Define the following: - Vision document, Software architecture description & release specifications.
 - c. Discuss three different aspects of software architecture from a management perspective.
 - d. Map the process exponent parameters of COCOMO to top 10 principles of modern process.
- 3. Answer any two of the following. 10**
- a. What do you mean by workflow? Discuss briefly it's types.
 - b. Write a short note on Major Milestone.
 - c. Define Work breakdown structure. Give the difference between conventional and evolutionary WBS. List issues related to conventional WBS.
 - d. Explain forward-looking approach for cost and schedule estimating process.
- 4. Answer any two of the following. 10**
- a. Discuss briefly, default roles in a software Line-of-business organization.
 - b. Define Process Automation. Mention its significance. Also, mention the extent of automation at each level of the process.
 - c. Explain mapping between process workflows and software development tools.
 - d. "The project environment artefacts evolve through three discrete states". Explain.
- 5. Answer any two of the following. 10**
- a. Define metrics and discuss characteristics of a good metric.
 - b. Write a short note on "Earned Value System".
 - c. Discuss the "Tailoring" concept in the context of software development. Explain the two primary dimensions of process variability.
 - d. Explain the process discriminators resulting from differences in process maturity.

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6. Answer any two of the following. 10

- a. Discuss the five recurring issues of conventional process. How are they resolved by modern process framework.
- b. How is risk resolution carried out in the iterative process? What is its advantage.
- c. How, balancing the top 10 software management principles, achieve balance in software economics equation.
- d. Discuss nine best practices of software management.

7. Answer any three of the following. 15

- a. How “Peer Inspection” helps in improving ROI? Explain.
- b. Explain in detail “Transition phase” of software development life cycle with the following details: - primary objectives, essential activities & evaluation criteria.
- c. What is the significance of periodic assessments? Discuss the contents of Status assessment review.
- d. Discuss the primitive components of a software change order.
- e. Write a short note on SPCP (software project control panel).
- f. Write a short note on “Next Generation Cost Models”.

