Exam. Code: 0919 Sub. Code: 7911

#### 1129

# B.E. (Computer Science and Engineering) Seventh Semester Elective – II

# CS-704A: Software Project Management

### Time allowed: 3 Hours

Max. Marks: 50

**NOTE**: Attempt <u>five</u> questions in all, including Question No. I which is compulsory and selecting two questions from each Unit.

x-x-x

- I. Attempt the following:
  - a) List any two schedule estimation metric.
  - b) State W5HH principle.
  - c) What are use case oriented metrics?
  - d) List ISO 9126 quality factors.
  - e) Can we change items in baseline?
  - f) What is earned value analysis?
  - g) What is formal technical review?
  - h) Why do we need SCM repository?
  - i) Is reverse engineering ethical? Comment.
  - j) What is status reporting?

(10x1)

# UNIT-I

- · II. a) What are different project stakeholders? Explain the project planning steps in detail.
  - b) What are different software estimation metrics?

(2x5)

- III. a) At what stage of software development, we use the 'use case-oriented metrics'. Explain in detail.
  - b) What is empirical estimation?

(2x5)

- IV. a) How do we refine the major tasks to prepare the time line charts? Illustrate using an example.
  - b) What is earned value analysis?

(2x5)

(10)

## UNIT - II

- V. What is quality assurance? Explain the Software quality assurance plan in detail.
- VI. a) Describe the various software quality assurance metrics.
  - b) What are different software risks? Explain the RMMM plan in detail

(2x5)

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VII. a) What are different software configuration items? How are these managed using baseline?

b) Why do we need forward engineering after restructuring? Explain the economics of engineering. (2x5)

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b) State Williams the complete state of the state of the

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d) Let EO 9126 quality factors

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b) What are different software estimation matrice? He was selected as (223):

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IV a) How do we refine the major tasks to prepare the time line that by llustrate using an example

b) What is sained ablue analysis? (2x5)

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b) What are different suffwhre trake? Explain the Edwidth plan in detail

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