7E4237

B. Tech. VII Sem. (Back) Exam., Nov.-Dec.-2016
Computer Engineering
7CS1 (O) Software Project Management

Time: 3 Hours

Maximum Marks: 80
Min. Passing Marks Main: 26
Min. Passing Marks Back: 24

Instructions to Candidates:

*Attempt any **five questions**, selecting **one question** from **each unit**. All questions carry **equal** marks. Schematic diagrams must be shown wherever necessary. Any data you feel missing suitably be assumed and stated clearly.*

Units of quantities used/calculated must be stated clearly.

Use of following supporting material is permitted during examination. (Mentioned in form No. 205)

1. <u>NIL</u> _____   2. <u>NIL</u> _____

UNIT – I

Q.1 (a) Distinguish between software product development and outsourced project. Identify the important characteristics of software product development. [8]

   (b) What are the role of people, product and process in management spectrum? [8]

OR

Q.1 (a) Indentify and explain the key aspects of Process and Project Domain in Metrics. [8]

   (b) Explain W^5HH principles in detail. [8]

UNIT – II

Q.2 (a) Discuss various stages of software project. Where are estimates done? What do you mean by software scope? Explain in brief. [10]

   (b) What are the problems behind over and under estimation? Explain. [6]

OR

Q.2 (a) Explain any empirical estimation model in detail. [8]

(b) What do you mean by feasibility? Discuss different estimation criteria for web engineering projects. [8]

UNIT – III

Q.3 (a) What is project scheduling? What are the criteria and steps to schedule a project? [8]

(b) Differentiate between Reactive and Proactive Risk Strategies. [8]

OR

Q.3 (a) What are the importance and goal of Quality Management? Explain in detail. [8]

(b) Explain the following :- rtuonline.com

    (i) RMMM plan [4]

    (ii) Defect prevention planning [4]

UNIT – IV

Q.4 (a) What do you mean by software quality assurance? Explain in detail. [8]

(b) Explain configuration management for Web Engineering. [8]

OR

Q.4 (a) Explain configuration identification and control in detail. [8]

(b) What is the purpose of SCM? Explain in detail. [8]

UNIT – V

Q.5 (a) What are the important guidelines for reviews in projects? Also explain data collection process for that. [8]

(b) What is the role of Closure Analysis? What is the process for closure analysis? [8]

OR

Q.5 Write short note on (any 2) - [2×8=16]

(a) NAH syndrome

(b) Issues Tracking and status report

(c) Risk – Related and Quality monitoring