

7E7051

Roll No. _____

Total No of Pages: **2****7E7051****B. Tech. VII Sem. (Main/Back) Exam., Nov.-Dec.-2016****Information Technology****7IT1A 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. rtuonline.com*

Units of quantities used/calculated must be stated clearly.

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

1. NIL2. NIL

UNIT – I

- Q.1 (a) What do you mean by software project management? Explain the activities, which are to be performed in software project management. [8]
- (b) Describe processes and program management Roles in detail. [8]

OR

- Q.1 (a) Give the metrics for software Quality also explain how a software metrics program is established. [8]
- (b) Define the management spectrum in the following terms: - [8]
- (i) Process
 - (ii) Product
 - (iii) People
 - (iv) Project

UNIT – II

- Q.2 (a) Differentiate between the COCOMO –I and COCOMO – II model. [8]
(b) What is cyclomatic complexity? Explain it. [8]

OR

- Q.2 (a) Explain the following:- [4×4=16]
(i) Decomposition technique
(ii) Estimation for Agile development
(iii) Object oriented project estimation
(iv) Empirical estimation model

UNIT – III

- Q.3 (a) Describe the Reactive V/S Proactive Risk strategies. [8]
(b) Discuss the project scheduling technique and illustrate their advantages and disadvantages. [8]

OR

- Q.3 (a) Explain Quantitative approaches used to measure Quality with its types. [8]
(b) Write short note on quality process planning. [8]

UNIT – IV

- Q.4 (a) What is SQA? Define goals of SQA. [8]
(b) What is SCM? Explain its need. [8]

OR

- Q.4 Write short notes on –
(a) Software configuration management. [8]
(b) Software Quality assurances. [8]

UNIT – V

- Q.5 (a) Explain Reviews and NAH syndrome? [6]
(b) Explain various tracking in project monitoring and control. [10]

OR

- Q.5 Write short notes on –
(a) Project closure analysis [8]
(b) Actual versus estimated analysis of effort and schedule. [8]