Roll No……………………..

MAY 2014

B. Tech (Information Technology)

Software Project Management

Semester 7th /8th

Subject Code: IT-408

Time: 3 hrs   MM: 60

Instructions to the students:

1) Section A is compulsory consisting of Ten questions carrying Two marks each
2) Section B: Contains Five Questions carrying Five marks each, attempt ant Four questions
3) Section C: Contains Three Questions carrying Ten marks each, attempt ant Two questions

Section – A   (10 x 2 = 20 Marks)

Q1)

a) Define software quality.

b) Differentiate between error and failure.

c) What is the function of test and evaluation team?

d) Define CMM levels for software quality assurance.

e) What is the purpose of software evaluation?

f) How to measure cyclomatic complexity?

g) Why resource allocation is required?

h) What are ISO 9003 standards?

i) What is formal technical review?

j) Define CPM.

Section – B   (4 x 5 = 20 Marks)

Q2) What do you mean by technical communication involved for project development? Justify your answer.

Q3) What is cost estimation? What are the various factors that affect the cost?

Q4) Discuss Waterfall Lifecycle model in detail along with various limitations of it.

Q5) What is Project scheduling? Discuss various methods for project scheduling.

Q6) Discuss the relative metrics of ISO 9001 certification and the SEI-CMM based quality assessment.

Section - C   (2 x 10 = 20 Marks)

Q7) Discuss various strategies used for statistical Quality assurance.

Q8) Explain in detail various categories of software testing.

Q9)
   a) Discuss the various software engineering problems.
   b) What is a software product?

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