1078
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. 1 which is compulsory and selecting two questions from each Unit.*

x-x-x

I.   Answer the following:-

    a)   Compare Process and Product metrics,

    b)   Discuss the relationship between People and Effort.

    c)   Distinguish between Quality control and Quality Assurance.

    d)   Differentiate between Formal Technical Reviews and Walkthroughs-

    e)   Compare Risk Identification and Risk Mitigation.   (5x2)

UNIT – I

II.   a) Compare Size-Oriented Metrics with Function-Oriented Metrics and discuss their respective suitability in various phases of software development life cycle.

    b) Demonstrate various steps of project planning using a real life scenario.   (5,5)

III.   How project estimation techniques for Object-Oriented software differ from that for conventional software? Justify your answer by using a case study.   (10)

IV.   a) Compare project scheduling for WebApp and Mobile projects with that for conventional software projects using suitable examples.

    b) Discuss project scheduling and Tracking progress for an 00 project using a case study.   (5,5)

UNIT – II

V.   Compare ISO and CMM standards in detail and discuss their respective pros and cons using a real life scenarios.   (10)

VI.   Demonstrate Risk Management for an embedded system using a case study.   (10)

VII.   a) Discuss the Software Reengineering Process Model using a suitable example.

    b) Discuss the Economics of Reengineering of a software project using a real life scenario.   (5,5)

x-x-x