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Total No. of Questions : 09

B.Tech.(CSE) / (Electronics & Computer Engg.) / (IT) (2011 Onwards)
(Sem.–6)
SOFTWARE ENGINEERING
Subject Code : BTCS-603
Paper ID : [A2308]

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTION TO CANDIDATES :
1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students has to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students has to attempt any TWO questions.

SECTION-A

1. Write briefly :

    a) Explain the formulae used for effort estimation by basic COCOMO model.

    b) Risks are events that may lead to project failure of delay. Name any four risks.

    c) Define Software requirement.

    d) What is code documentation?

    e) Name the characteristics of software.

    f) What are static code analysers?

    g) What is the purpose of Rayleigh curve?

    h) What is the difference between software and a program?

    i) What are the benefits of data dictionary?

    j) What is 4GL environment?

SECTION-B

2 Explain Object Analysis & Design tools/techniques used in s/w development.

3 Explain how both waterfall and prototyping model of software process can accommodate spiral model.

4 What is meant by Software Configuration Management (SCM)? Discuss the process of SCM in detail.

5 Describe the procedures to calculate cost-benefit analysis.

6 What are software components? How software repositories are helpful in developing a Software?

SECTION-C

7 a) What is the difference between decision table and decision tree?

   b) What is difference among formal, semiformal and informal methods of software development?

8 What is the difference between structural programming and data oriented design? Explain.

9 a) What is 3GL environment? How this is different from 4GL environment?

   b) What are various activities performed during software project planning?