TE (Comp) Software Engg.   16-05-2016
Sem VI (CBGGS)

Q.P. Code : 581601

Time: 3 Hrs   Max Marks: 80

N.B.: (1) Question No. 1 is compulsory.
     (2) Attempt any three questions out of remaining five.
     (3) Figures to the right indicate full marks.
     (4) Assume suitable data wherever required.

1. Develop the SRS for the following scenario :-   [20]
A school has one or more departments. Department offers one or more subjects. A particular subject will be offered by only one department. Department has instructors and instructors can work for one or more departments. Students can enrol in up to 5 subjects in a school. Instructor can teach up to 3 subjects. The same subject can be taught by the different instructors. Students can be enrolled in more than one school.   muADDA.com
SRS for the school should include the following:
    a. Product perspective
    b. Scope and objective
    c. Functional requirements
    d. Non-Functional requirements

2. (a) Explain and compare FTR and walkthrough.   [10]
   (b) Explain the process of CMM.   [10]

3. (a) Explain coupling & cohesion. Explain different types of coupling &   [10]
     cohesion.
   (b) What are Agile process and its advantages? Explain any one Agile process.   [10]

4. (a) Explain the change control and version control activities in SCM.   [10]
   (b) Differentiate between black box testing and white box testing. Explain in   [10]
     detail about any one testing tool.

5. (a) What are the different types of maintenance and also explain steps for   [10]
     creating a maintenance log?
   (b) What is user interface design process? Explain with one example.   [10]

6. Write short notes on(any two)
   (a) Risk management.   [10]
   (b) Reverse Engineering. muADDA.com   [10]
   (c) Service-Oriented Software Engineering.   [10]
   (d) Object oriented testing methods.   [10]