DG-3175

Third Year B. Sc. (Computer Science)
(Sem. V) Examination
March/April – 2016
Paper - 501 : Software Engineering - I

Time : 2 Hours]   [Total Marks : 50

Instruction :

Q1. Answer in Short

-14

1. What do you mean by modularity? How it can be achieved?
2. What is software process? List process framework activities.
3. What is QFD? What is use of it?
4. What is the role of 'Entity' in Data Flow diagram.
5. List important elements of interface design.
6. In which type of projects, Waterfall Model is applied?
7. List the documents generally produced after various phases of waterfall model.

Q2. (a) Discuss Incremental model for software development   -6
(b) Describe various components of SRS.   -6

OR

(a) Discuss Spiral model for Software development.   -6
(b) Discuss various attributes of software quality.   .   -6

Q3. (a) What is coupling? Discuss various types of coupling.   -6
(b) Draw DFD up to 2nd Level for online Mobile shopping system.   -6

OR

(a) Discuss the relationship between DFD, Process Specification and Data-Dictionary giving suitable example. -6

(b) Discuss Module Level Design Concepts in brief. -6

Q4. Write short note on any Three. -12

    (a) Process Specification.

    (b) Procedural design techniques.

    (c) System walkthrough and Document Survey.

    (d) Joint Application Development (JAD)

    (e) Activities, roles and responsibilities in Software Requirement Analysis.

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