DA-135

December-2013

5 Years T.Y.M.Sc. (CA & IT) Sem-V

Software Engineering

Integrated (KS)

Time : 3 Hours] [**Max. Marks : 100**

1. Attempt any **four** : **20**

   (a) What are the elements of a software process ? Explain.

   (b) How do process models differ from one another ? Explain.

   (c) Explain any two practitioner's myths.

   (d) What is an Agile Process ? Explain.

   (e) What is an XP ? Explain.

2. Attempt any **four** : **20**

   (a) Explain Coding Principles.

   (b) Explain steps of requirement Engineering.

   (c) Explain different point of view used to describe the requirement model.

   (d) How do I model the software's reaction to some external event ? Explain.

   (c) What are the characteristics of a good design ?

3. Answer the following :

   (a) Explain Architectural context diagram with example. **6**

   (b) Explain in detail transform mapping with example. **7**

   (c) Explain step-wise component level design for object oriented system. **7**

OR

Answer the following :

(a) Explain design principles that enable an interface to reduce the user's memory load. **6**

(b) What are same typical architectural pattern domains ? **6**

(c) Explain "User Interface Design Patterns". **8**

4. Attempt any **four** : **20**

(a) Explain with figure "Detect Amplification and Removal".

(b) Explain Informal Reviews and Formal technical review.

(c) Explain a strategic approach to software testing.

(d) Explain software testing fundamentals.

(e) Explain "Object-Oriented Testing Strategies".

5. Attempt any **four** : **20**

(a) What are the major attributes of quality for webapps ? Explain briefly.

(b) Explain types of content architectures commonly encountered.

(c) Explain measures, metrics and indicators. What are the steps of an effective measurement process ?

(d) Explain Project Scheduling.

(e) Explain in brief Decomposition Techniques for estimation of software projects.

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