SVKM's NMIMS

MUKESH PATEL SCHOOL OF TECHNOLOGY MANAGEMENT & ENGINEERING

Programme: B. Tech (COMP) Year: III Semester: V

Academic Year: 2013-2014

Subject :Software Engineering

Date : 05/12/2013

Marks:100
Time : 2.00 pm to 5.00 pm
Duration:3 (hrs)

Final-Examination

Instructions: Candidates should read carefully the instructions printed on the question paper and on the cover of the answer book, which is provided for their use.

NB:

1. Question No.1 is compulsory. Out of remaining questions, attempt any 4 .
2. In all , 5 questions to be attempted.
3. Answers to each new question to be started on fresh page.
4. Figure to the right indicate full marks.

Q1.Answer the following Questions [20]

(a) What are myths and reality from the perspective of practitioners.
(b) Define the term abstraction in software engineering.
(c) Define system reliability and availability
(d) What is the main objective of code walkthrough

Q2.[A] Explain the role of functional independence, Cohesion and Coupling with respect to modular design. [10]

Q2.[B] Explain the different styles of Software Architectures. [10]

Q3.[A] What are requirement engineering tasks? Explain elicitation and elaboration. [10]

Q3.[B] How analysis model is translated into design model? Explain with diagram. [10]

Q4. [A] Discuss the golden rules for designing a User Interface [10]

Q4.[B] Why is it important to include boundary value analysis in your black box test data? Is it important to perform both white box and black box testing? State their significance. [10]

Q5.[A] How Software Configuration management facilitate the change that may occur during the various stages of a system development life cycle? Illustrate your explanation with example at each stage. [10]

Q5.[B] Explain Reverse Engineering and Re Engineering with a block diagram [10]

Q6. [A] Explain spiral model with neat diagram. [10]

Q6.[B] What are the principles followed in Extreme Programming? Explain. [10]

Q7. Write short notes on any two of the following- [20]

[A] Process and project metrics.

[B] COCOMO-II model

[C] Incremental Process model

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