Patuakhali Science and Technology University

B. Sc. Engg. (CSE) Level-2, Semester-I Final Exmination-2013 (January-June), Session -2011-2012 Course Code: CIT 213, Course Title: Software engineering

Credit Hour: 03

Full Marks 70

Duration: 3 Hours

[Figure in the right margin indicates full marks. Split answering of any questions is not recommended.]

Answer any 5 of the following questions.

Define Software Engineering. Distinguish between Computer Science and System Engineering.	6
13(b) In the 21" century, which kind of key challenges are facing in the Software Engineering field?	3
c) What are the five generic process frame work activities?	5
3.27 What are the live generic process have	
7. What is software process model?	3
Explain how both the waterfall model of the software process and the prototyping model can be	e
accommodated in the spiral process model.	б
accommodated in the spiral process model accomplish?	5
C) What does a system engineering model accomplish?	
न) Briefly describe requirement of engineering process that is accomplished through the execution	n
of six distinct functions.	12
	4
พรุช) Write short note on object aggregation of software engineering.	2
∑ 73	
a) illustrate on Quality Function Development (QFD).	3
b) What are the difference between generic software product development and customer softw	are
development?	3
Oraw a sequence diagram (partial) for safe home security function and illustrate it.	8
5. a) What do you mean by design classes?	3
b) Briefly write down a "well formed "design class.	8
C) Describe the difference between verification and validation in respect of Software Engineering	1g. 3
What is the overall strategy for software testing?	3
b) Draw a figure of testing strategy.	2
What are the step for top-down integration, bottom-up integration and regression testing?	6
How do you complete the black-box and white-uox testing?	3
Salling on Anti Combiete the plack-pox and white-pox testing.	

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Patuakhali Science and Technology University

B. Sc. Engg. (CSE) Level-2, Semester-I Final Exmination-2014 (January-June), Session 2012-2013

Course Code: CIT 213, Course Title: Software Engineering

Credit Hour: 03

Full Marks: 70

Duration: 3 Hours

[Figure in the right margin indicates full marks. Split answering of any questions is not recommended.]

Answer any 5 of the following questions.

 a) Define software Engineering. Distinguish between Computer Science and System Engineering b) Which kind of key challenges are being faced in the software Engineering field presently? q c) Explain why system testing costs are particularly high for generic software products which are sold to a very wide market. 	3
2 < a) What are the differences between a software process model and a software process? (b) Explain how both the waterfall model of the software process and the prototyping model can be accommodated in the spiral process model. (c) Design a process model for running system tests and recording their results.	6 4
3: (5 a) What do you mean by design Classes? (b) Briefly write down a "well formed" design class. (c) Describe the difference between verification and validation in respect of software Engineering.	. 3
4. (a) What is the overall strategy for software testing? (b) Draw a figure of testing strategy. (c) What are the steps for top-down integration, bottom-up integration and regression testing? (d) Explain why it may be necessary to design the system architecture before the specifications are written.	2 2 6
 a) Briefly describe requirement of engineering process that is accomplished through the execution of six distinct functions. b) Write short note on object aggregation of software engineering. 	12 2
	
 a) Illustrate on Quality Function Development (QFD). b) Briefly explain generic software product development and customer software development. c) Draw a sequence diagram (partial) for safe home security function and illustrate it. 	3 4 7

Patuakhali Science and Technology University B.Sc. Engg. (CSE) 3rd Semester (L-2, S- I) Final Examination January-June- 2015, Session-2013-2014

Course Code: CIT 213

Course Title: Software Engineering

Credit Hour: 03

Full Marks: 70

Duration: 03 Hours

[Figures in the right margin indicate full marks. Split answering of any question is not recommended. Write the full question number e.g. 1(A) before the answer paragraph]

Answer any 5 of the following questions:

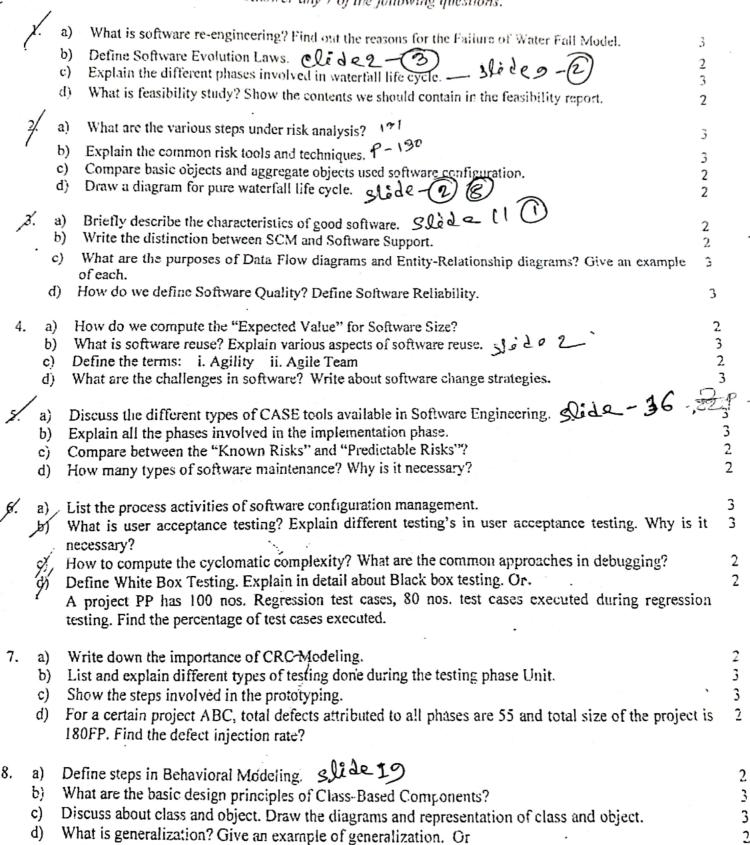
XA	Write short note on software engineering, computer science and system software engineering. What are the attributes of good software? Write down the key challenges facing by software engineering in 21 century?	∄ 8
2 /A	Describe five generic process framework activities.	5
2 (B)	Explain with figure the mentioned process model Incremental Model, RAD Model, Spiral Model.	9
3 (A)	What does a system engineering model accomplish?	6
3 (B)	Briefly describe the function of Business Process Engineering (BPE) and Product Engineering.	8
4 (A)	5	4
4 _B	Explain why it may be necessary to design the system architecture before the specifications are written.	4
4 (C)	What are the steps for top-down integration, bottom -up integration and regression testing?	í
,5 (A)	What do you mean by design classes?	3
5 B	Briefly write down a "well formed" design class	8
5 (C	Describe the difference between verification and validation in respect of software engineering.	3
6 (A)	What are the seven distinct functions for requirement engineering process in software engineering? Explain briefly.	14

Patuakhali Science and Technology University Fina! Examination of B.Sc. Engg (CSE) Level-2, Semester-1, Jan-June-2017

Course Code: CIT-213 Course Title: Software Engineering

Session: 2015-2016 Credit Hour: 3.00 Full Marks: 70 Duration: 3.00 Hours [Figure in the right margin indicates full marks. Split answering of any question is not recommended.]

Answer any 7 of the following questions.



Define the task regions in the Spiral model.

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