Shahjalal University of Science & Technology Institute of Information and Communication technology 1st Year 2nd Semester Examination, 2019

Course Code: SWE-125 (Introduction to Software Engineering)

Full Marks: 100 Time: 3 Hours Credit: 3

(Answer four questions taking two from each group)

Group A

Q.1. Why is development cost of software so high?	4-
Write down some key challenges in software development.	3
Why can't we find all errors before we give the software to our customers? Why do we continue to have difficulty in software development projects?	4-
f) Draw a spiral view of software requirement process.	4-
by What is cost of software failures?	3
h) Define Milestones and deliverables.	3
Q.2. a) What are the roles of a software manager? Explain.	6
b) Write down some myths that believed by software manager and customer.	8
c) Explain risk management process with proper diagram.	5
d) Explain different risk types with potential indicators.	6
Q.3. (a)/How a Project Starts?	3
(b) What is a software process? What are some generic process models?	6
(c) Explain Incremental Delivery model with proper diagram.	8
Describe Water Fall Model with figure. Also state some disadvantages and	8
disadvantages of this model.	
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Group B	
Q.4. a) What is MVC? Explain.	3
b) Write down some root causes of software failures.	4
c) Write short notes on:	18
Unit Testing	
ii. Integration Testing	
iii. Regression Testing	
W. Black Box Testing	
White Box Testing	
vi. Top Down Testing	
25. a) What is UML diagram? What are the uses of UML diagram?	2
b) Explain Functional and Non Functional requirement with examples.	6
c) Identify some problems in domain requirements.	3
d) Explain Normal and Expected requirement with examples.	6
what are the techniques of analyzing requirement engineering? Explain interviewing	8
method	