

Emerging Topics in Software Engineering

MS/ MPHIL

Model Paper 2

Spring Semester 2013

Attempt any seven Questions
Three Hours

Time:

Q1. What is Requirement Engineering? Discuss the two requirement gathering methods: Brainstorming and Storyboarding.

Q2. A problem is like a tree and software engineer has to touch every single branch and leave of that tree. Illustrate problem analysis based upon this statement.

Q3. Define the Goal of a Project. How is it different from a Project's Scope.

Q4. Why building an 'as simple as possible model' is like half the job done? Define and explain a Business Model.

Q5. The iterative approach model is a hybrid of the waterfall and spiral models. Decouple the lifecycle phases from the software activities that take place in each phase. Briefly touch upon each step.

Q6. The future Software Engineers will be more ethically conscious. Discuss.

Q7. Why we should use the title 'Software Management' instead of 'Software Engineering'. Give your answer in the light of emerging topics and future trends.

Q8. There is a difference between client, customer and user. Explain your answer by discussing the stakeholders in general in project management.

Q9. Discuss the following Software Quality Assurance testing methods.

1. Black box testing
2. White box testing(Check efficiency of the software)

Q10. Give a brief on future job prospects in Requirement Engineering.

Emerging Topics in Software Engineering

MS/ MPHIL

Model Paper

Spring Semester 2013

Attempt any seven Questions
Three Hours

Time:

Q1. What is Requirement Engineering? Discuss the two requirement gathering methods: Interviewing and Prototyping.

Q2. Why molding words of the customer into technical language is so tough in software engineering? Cite a rocky problem to support your answer.

Q3. Define the Scope of a Project. How is it different from a Project's Goal.

Q4. SRS will soon be overtaken by VISION documents. Discuss.

Q5. Write a short comparative note on the functional and non- functional requirements.

Q6. Software Engineer likes to give answer in YES and NO. Soon this is going to change. Discuss.

Q7. Why should we use the title 'Software Management' instead of 'Software Engineering'. Give your answer with reference to managing the customer.

Q8. Write a comprehensive note on balancing Cost and Time factors in a successful project.

Q9. Discuss the following Software Quality Assurance testing methods.

1. Component Testing
2. Unit Testing

Q10. Give a brief on future job prospects in Requirement Engineering.