

Question Bank.

Subject: Software Engineering

UNIT-1: INTRODUCTION

1. Answer following frequently asked questions about software Engineering? L1 6M
 - i) Difference between software engineering and system engineering
 - ii) What are the key challenges facing software engineering
 - iii) What are the fundamental software engineering activities.
2. Define and Explain the difference between Generic and Customized product with example? L1,2 5M
3. List and Explain the essential attributes of good software? L1,2 4M
4. Define Software Engineering? And Explain the four fundamental activities that are common to all software process? L1,2 6M
5. List and explain Issues that affect many different type of software? 6M
6. Define Software Engineering, List and explain essential attributes of good software? L1,2 6M
7. List and explain any five Software Engineering (ACM/IEEE) Code of Ethics and Professional Practices? L1,2 8M
8. List and Explain the issues related to software engineering ethics? L1,2 5M
9. Define software engineering. Explain any five FAQ of software engineering? L1,2 8M

UNIT-1: SOFTWARE PROCESSES

1. What is software process model? Explain the types of software process model? 6M
2. Compare agile methodology with waterfall methodology.? L4 6M
3. Differentiate between Waterfall model and Incremental development with relevant example.? L4 8M
4. Explain Reuse oriented developmental model with neat diagram? Also discuss the benefits of this model as compared to waterfall model? L2 10M
5. With a neat diagram explain waterfall model? Explain the problems involved in waterfall model.? L2 10M
6. With a neat diagram explain Incremental development model also mention the benefits and problems involved in Incremental development model.? L2 10M

7. Explain why Boehm's spiral model is an adaptable model that can support both change avoidance and change tolerance activities. In practice, this model has not been widely used. Suggest why this might be the case. ? L2 8M
8. Describe on spiral model advantages and disadvantages ?L2 5M
9. What is prototype? Explain the process of prototype development with diagram? Mention the benefits of using prototype? L2 10M
10. What are the two approaches that may be used to reduce the cost of rework?L2 5M
11. Explain why incremental development is the most effective approach for developing business software systems. Why is this model less appropriate for real-time systems engineering? L2 8M
12. Explain why systems developed as prototypes should not normally be used as production systems? L2 7M