

United Institute of Technology (284)
Department of Computer Science & Engineering & Information Technology
Software Engineering (KCS601)
B.Tech 3rd Year (CSE & IT)
Model Question Bank
Unit –2

Short Question

1. Define a software process. [2015-16 (2-marks)]
2. What do you mean by SRS? [2015-16 (2-marks)]
3. Write the methods of requirements elicitation. [2016-17,2017-18 (2-marks)]
4. What is the difference between Verification and Validation? [2016-17, 2017-18,2018-19 (2-marks)]
5. What is software quality? [2016-17 (2-marks)]
6. What are different software quality attributes? [2017-18 (2-marks)]
7. What is Decision Tree? [2017-18 (2-marks)]
8. List the process maturity levels in SEI's CMM. [2018-19 (2-marks)]
9. Draw the Context level DFD for the Safe home Software. [2018-19 (2-marks)]

Long Questions

1. Explain the decision table. Discuss the difference between decision table and decision tree [2015-16 (10-marks)]
2. In a software development organization, identify the persons responsible for carrying out the quality assurance activities. Explain the principal task they perform to meet this responsibility. [2015-16 (10-marks)]
3. What is software quality? What are three dimensions of quality? Explain briefly. [2015-16, 2016-17 (10-marks)]
4. What is a data flow diagram? Explain rules for drawing good data flow diagrams with the help of a suitable example. [2016-17,2017-18 (10-marks)]
5. Explain software quality assurance (SQA) with life cycle. [2016-17 (10-marks)]
6. List five desirable characteristics of good SRS document. Discuss the relative advantages of formal and informal requirement specifications. [2016-17, 2017-18,2018-19 (10-marks)]
7. What are the characteristics of a software process? [2016-17 (10-marks)]
8. Explain CMM Model. Compare ISO and CMM. [2016-17, 2017-18 (10-marks)]
9. Develop the level one DFD of library management system. [2017-18 (7-marks)]
10. Describe how software requirements are documented? State the importance of documentation. [2018-19 (7-marks)]
11. Explain the feasibility studies. What are the outcomes? Does it have either implicit or explicit effects on software requirement collection. [2018-19 (7-marks)]