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 –1

Short Question

1. Compare evolutionary and throw away prototyping? **[2019-20 (2-marks)]**

2. What do you understand by software crisis? **[2017-18, 2015-16 (2-marks)]**

3. What are different software quality attributes? **[2017-18 (2-marks)]**

4. Write major software characteristics. **[2016-17 (2-marks)]**

5. Write the differences between software and software engineering. **[2016-17 (2-marks)]**

6. What is software quality? **[2016-17 (2-marks)]**

7. Write down the objectives of Software Engineering. **[2016-16 (2-marks)]**

8. Give any two reasons for increase in software cost. **[2016-16 (2-marks)]**

Long Questions

1. Explain iterative waterfall and spiral model for software life cycle and discuss various activities in each phase. **[2019-20, 2016-17 (7-marks)]**

2. List several software process paradigms. Explain how both waterfall model and prototyping model can be accommodated in the spiral process model. **[2019-20 (7-marks)]**

3. Which is more important-the product or process? Justify your answer. **[2019-20 (7-marks)]**

9. Explain Spiral Model? Also write its advantages and disadvantages. **[2017-18, (10-marks)]**

4. Explain different phases of SDLC. **[2017-18,2016-17 (10-marks)]**

5. Explain Iterative Enhancement Model. Write its advantages and disadvantages. **[2017-18 (10-marks)]**

6. Explain software quality assurance (SQA) with life cycle. **[2016-17 (10-marks)]**

7. Explain the following statement: "Software Engineering is a layered technology". **[2015-16 (10-marks)]**

8. Explain why a software system that is used in a real-world environment must change or become progressively less useful. **[2015-16 (15-marks)]**