

B.E. (Computer Engineering) Sixth Semester (C.B.S.)
Software Engineering & Project Management

P. Pages : 2

Time : Three Hours



NIR/KW/18/3503

Max. Marks : 80

-
- Notes :
1. All questions carry marks as indicated.
 2. Solve Question 1 OR Questions No. 2.
 3. Solve Question 3 OR Questions No. 4.
 4. Solve Question 5 OR Questions No. 6.
 5. Solve Question 7 OR Questions No. 8.
 6. Solve Question 9 OR Questions No. 10.
 7. Solve Question 11 OR Questions No. 12.
 8. Due credit will be given to neatness and adequate dimensions.

1. a) Write a short note on Agile Process and Extreme programming. 8
b) Explain the role of prototype model in Software Engineering. 5
- OR**
2. a) Write down any six software application. 6
b) Explain waterfall model with neat diagram. Write its drawback. 7
3. a) Explain the elements of analysis model. 8
b) Explain Quality Function Deployment (QFD) in brief. 3
c) Write short on Product Engineering. 3
- OR**
4. a) Write short note on system modeling and simulation in software development process. 7
b) What is SRS? Explain in detail. 7
5. a) Explain the steps involved in architectural design process? 7
b) Write short note on Component – Level Design. 6
- OR**
6. a) What is modularity? Write in detail about effective modular design. 6
b) How to build an effective user interface? Explain user interface design process in brief? 7
7. a) Write in detail about software testing strategy? 8
b) Write short notes on : 6
 - i) White Box Testing
 - ii) Black Box Testing.

OR

8. a) Explain various testing strategies for conventional software. **9**
b) Explain validation testing with example. **5**
9. a) What is “Make buy decision”? Explain with an example. **5**
b) Explain McCall’s quality factors. **8**

OR

10. a) Explain Process metric in detail. **8**
b) Explain Function Point metric. State its advantages and disadvantages. **5**
11. Write short notes on **any three**. **13**
- i) Earned Value Analysis.
ii) Version Control.
iii) Re – Engineering.
iv) Structured and unstructured maintenance.

OR

12. a) What is Risk? Explain Risk Identification and Risk Projection. **7**
b) What is Software Project Scheduling? Explain basic principles of software project scheduling. **6**
