B.E. (Computer Engineering) Sixth Semester (C.B.S.)

Software Engineering & Project Management

P. Pages : 2 **TKN/KS/16/7506**

Time : Three Hours * 0 8 3 3 * 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.
9. Assume suitable data whenever necessary.
10. Illustrate your answers whenever necessary with the help of neat sketches.

1. a) Write down any six software application. **6**

b) Explain waterfall model with neat diagram. Write its drawback. **7**

OR

2. a) Explain RAD model in detail. **8**

b) Explain the generic phases of software engineering. Describe each phase with an example. **5**

3. a) What is Business Process Engineering? Explain different architecture analyzed & designed for business. **7**

b) Explain Requirement Engineering. What are different task set for make communication in customer & developer? **7**

OR

4. a) What is Domain Analysis? Explain approach for domain analysis modeling. **7**

b) Describe the difference between an association and a dependency for analysis class. **7**

5. a) What are the Design Principles suggested by Davis? **8**

b) State & Explain task set for software design. **5**

OR

6. a) What is Software Architecture? Explain basic steps involve for architectural design process. **7**

b) What is user interface? Explain how user interface Analysis & design is being achieved. **6**

7. What do you mean by White Box and Black Box testing methods? Explain one of the methods for Black Box testing in details. **14**

OR

8. a) What is Integration Testing? Explain the types of Integration Testing. **7**

b) Explain the term with example. **7**

i) Validation Testing.

ii) System Testing.

iii) Debugging.

9. a) Defined the terms : **6**

i) Measure

ii) Metrices

iii) Indicator

b) What are the different measures for measuring software quality? Discuss them in detail. **7**

OR

10. a) What is "Make Buy decision"? Explain in brief with example. **7**

b) Explain Decomposition Techniques in details. **6**

11. a) Explain various activities involved in Software Quality Assurance (SQA). **6**

b) What is Risk? Explain Risk identification and Risk projection. **7**

OR

12. Write a short note on : **13**

i) Re – engineering.

ii) Structured and unstructured maintenance.

iii) Version control.

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