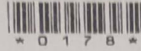


B.Tech. (Computer Technology) Fifth Semester (C.B.C.S.) Winter 2022
Software Engineering and Project Management

P. Pages : 2

Time : Three Hours



SPM/KW/22/2674

Max. Marks : 70

- 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. Diagrams and chemical equations should be given whenever necessary.
 11. Illustrate your answers whenever necessary with the help of neat sketches.

1. a) What are the different characteristics of software. Explain it's role in software development. 8
- b) Explain the unified process model. What are the work products that may get generated in this model? 6

OR

2. a) Describe evolutionary process models. 9
 - b) Comment on "Software engineering in a layered technology". 5
3. Write short note on:
- i) Requirement engineering process. 5
 - ii) Adaptive software development. 5
 - iii) Extreme programming. 4

OR

4. a) What is system engineering? Explain with the help of diagram. 7
 - b) Define business process engineering with the help of suitable diagram. 7
5. a) Write about behavioral modeling in detail. 7
- b) Explain scenario based modeling in detail. 7

OR

6. a) Explain about flow oriented modeling in detail.

7

7

b) Write short notes on following

i) Information hiding

ii) Refactoring

7

7. a) Explain software debugging. Write debugging strategies.

7

b) Explain Black Box testing technique.

OR

8. a) What are measures, metrics and Indicators? Explain function point metric.

7

b) Explain white box testing in detail.

7

9. Write short note on following:

i) SCM

7

ii) RMMM plan.

7

OR

10. a) List and explain various types of s/w risks. Also define software Risk.

7

b) Write short note on project scheduling.

7
