

Software Engineering & Project Management

P. Pages : 1


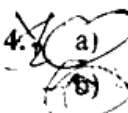

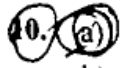
Time : Three Hours



SPM/KW/22/2652

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. Due credit will be given to neatness and adequate dimensions.
 8. Assume suitable data whenever necessary.

1.  Define Software Engineering. Highlight the characteristics of software. 8
Explain software Engineering – a layered Technology. 6
OR
2. a) Explain common process framework for software engineering in detail. 7
b) What is an agile process? Explain the principle of agility. 7
3. a) Explain system engineering hierarchy in detail. 7
b) What is FAST? Explain in detail. 7
OR
4.  a) What is SRS? Explain in brief. 6
b) What is requirement engineering? Explain steps in requirement engineering. 8
5. a) What are the different constructs in object oriented analysis? Describe. 6
b) Explain data flow diagram in detail. Give the extension suggested by Ward & Mellor. 7
OR
6. a) Write short note on cohesion and coupling. 6
b) Explain design principles in detail. 8
7.  a) Explain the White Box Testing technique in detail. 6
b) What is Risk? Explain the different types of Risk. Explain How software Risk is Protected and Managed. 8
OR
8. a) What is Debugging? Explain the process of debugging in detail. 7
b) Explain RMMM plan. Also explain the concept of risk projection. 7
9. a) Explain McCall's quality factors. 6
b) What are the various form of COCOMO model? Describe them in brief. How Decision tree is used in making make by decision of software systems? 8
OR
10.  a) Explain various layers of SCM process. 8
b) Write a note on re-engineering and reverse engineering. 6
