**20 OBJECTIVE**

1. What is the best model for software development.
2. Agile model b) spiral model c) the big bang model d) its relative
3. The system development life cycle mainly consist of how many phases
4. 10 phases b) 7 phases c) 2 phases d) No phases
5. In the V-shaped model, v stands for \_\_\_\_\_\_\_
6. Visitation b) verification c) vehicle d) none of the above
7. Which of these was the first developed SDLC model.
8. Agile model b) Rad model c) waterfall model d) prototype model
9. One of these is not an agile methodology.
10. Lead b) scrum c) OpDev d) kanban
11. Which of these phases of SDLC involves finding of the cost of production, the material needed and the time it takes.
12. Planning b) requirement c) maintenance d) development
13. In software development, one of these models allows the developer to go back on previous stages or phases in the development process.
14. Waterfall model b) Spiral model c) Rad model d) iteration model
15. The rapid application development model was first proposed by IBM in the year.
16. 1980 b) 1984 c) 1890 d) 1991
17. The Rad model consists of how many phases.
18. 7 phases b) 4 phases c) 10 phases d) 6 phases
19. One of these is a major type of prototyping.
20. Incremental prototyping b) paper prototyping c) code prototyping d) real prototyping
21. Waterfall model is also referred to as\_\_\_\_\_\_\_\_\_\_
22. Waterfall b) linear-sequential life-cycle model c) the first model d) none of the above
23. Which stage in the SDLC process allow the developer to check if his software is working properly.
24. Maintenance b) Testing c) development d) design
25. What SDLC model is also known as Success Version model.
26. The Rad model b) Agile model c) Incremental model d) V-shaped model
27. Which model has a representational diagram that looks like a spring of many loops.
28. The big bang model b) the spiral model c) iteration model d) prototype model
29. ATERN and CRYSTAL are part of what model.
30. Rad model b) Agile model c) V-shaped Model d) prototype model
31. Agile model is also an improved version of what model.
32. Incremental model b) Rad model c) waterfall model d) prototype model
33. All these are phases in the SDLC model expect.
34. Planning b) Design c) visitation d) development
35. One of these is a verification process in the V-shaped model.
36. Code testing b) integration testing c) working test d) peak testing
37. Which model is well known for its ability to handle risk.
38. Rad model b) waterfall model c) Spiral model d) prototype model
39. Staged delivery and parallel development are the two types of\_\_\_\_\_\_\_\_
40. Prototype model b) Rad model c) waterfall model d) incremental model

**20 SUB-OBJECTIVE**

1. The V in the V- model stands for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
2. \_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_ are two types of incremental model.
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the last phase in the SDLC model .
4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is said to be a minimum working model of a software.
5. \_\_\_\_\_\_\_\_\_,\_\_\_\_\_\_\_\_\_\_\_,\_\_\_\_\_\_\_\_\_\_\_\_ and **cutover** are the four (4) phases of Rad model.
6. In \_\_\_\_\_ year, IBM proposed the Rapid Application Development model.
7. Each loop of the spiral in the spiral model is called \_\_\_\_\_\_\_\_\_\_\_\_.
8. In \_\_\_\_\_\_\_\_\_\_\_\_ model, the number of phases needed the complete a project can be varied by the product manager depending upon the projects risks.
9. \_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_ are the principles of the Agile model.
10. \_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_ are the methodologies of Agile model.
11. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_,\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_,\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and unit tests are different validation phases in V- model.
12. \_\_\_\_\_\_\_\_\_\_\_\_\_model is also known as Successive Version model.
13. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_model is an SDLC model where we do not follow any specific process.
14. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is one of the application of iteration model.
15. In \_\_\_\_\_\_\_\_ year, the Agile Software Development model was proposed.
16. \_\_\_\_\_\_\_\_\_ methodology of Agile, considers the expenditure of resources for any goal other than the creation of the end-customer to be wasteful.
17. \_\_\_\_\_\_\_\_\_\_\_\_,\_\_\_\_\_\_\_\_\_\_\_\_,\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_ are the advantage of the waterfall model.
18. \_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_ models are both sequential in their phases.
19. Throwaway/Rapid is a type of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ model.
20. \_\_\_\_\_\_\_\_\_\_\_\_\_,\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_,\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and Difficulty in time management, are disadvantage of the spiral model.

**10 THEORY QUESTIONS**

1. What are the 7 phases of SDLC.
2. Explain the following model:
3. Waterfall model
4. Agile model
5. Spiral model
6. Prototype model
7. V- model
8. a) What is software prototyping.

b) What are the major types of prototyping.

1. Mention five (5) advantage of the waterfall model.
2. What are the principles of Agile model.
3. Discuss the incremental model.
4. Mention five (5) best practices of prototyping.
5. a) What is Rapid Application Development model.
6. Mention the phases of the Rad model.
7. State five (5) application of iteration model.
8. The spiral model handles risks, Discuss.