

PART – B (5 × 10 = 50 Marks)
Answer **ALL** Questions

Marks BL CO PO

26. a. Discuss elaborately the various software process models.

10 2 1 7

(OR)

b.i. Explain the process of stakeholder assessment.

5 2 1 8

ii. Explain software management life cycle briefly.

5 2 1 8

27. a. A project has the following time schedule

10 4 2 4

Activity 1	Duration
1-2	2
1-3	2
1-4	1
2-5	4
3-6	8
3-7	5
4-6	3
5-8	1
6-9	5
7-8	4
8-9	3

- (i) Construct the network and also find the critical path.
(ii) Find the total float, free float and independent float.

(OR)

b. The following tables gives the data for the activities of a small project

10 4 2 4

Job:	1-2	1-3	2-4	2-6	3-4	3-5	4-5	5-6
Optimistic:	1	5	3	1	8	2	5	2
Most likely:	4	10	3	4	15	4	5	5
Pessimistic:	7	17	3	7	26	8	5	8

- (i) Draw the network and find the expected time for each activity and project completion time.
(ii) Find the variance of each activity

28. a. Explain RMMM plan and control.

10 2 3 9

(OR)

b. Explain the steps for handling risk in an IP project.

10 2 3 8

29. a. Explain agile framework in detail and elucidate its principles.

10 2 4 6

(OR)

b. List the common agile practices and explain each one in detail.

10 1 4 7

30. a. Discuss the salient characteristics of XP and bring out its principles.

10 2 5 8

(OR)

b. Define Dev OPS and explain the functioning of Dev OPS elaborately.

10 1 5 7

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Reg. No.

B.Tech. DEGREE EXAMINATION, NOVEMBER 2022
Seventh Semester

18MBH464J – IT PROJECT MANAGEMENT

(For the candidates admitted from the academic year 2018-2019 to 2019-2020)

Note:

- (i) **Part - A** should be answered in OMR sheet within first 40 minutes and OMR sheet should be handed over to hall invigilator at the end of 40th minute.
(ii) **Part - B** should be answered in answer booklet.

Time: 2½ Hours

Max. Marks: 75

PART – A (25 × 1 = 25 Marks)
Answer **ALL** Questions

Marks BL CO PO

- Software is defined as _____.
(A) Set of programs, (B) Set of programs and documentation and configuration of data
(C) Documentation and (D) Set of data configuration of data
1 1 1 6
- _____ is a software development activity that is not a part of software processes.
(A) Validation (B) Specification
(C) Development (D) Dependence
1 1 1 5
- Agile scrum methodology is a _____.
(A) Project management technique that emphasizes incremental progress
(B) Project management technique that emphasizes decremental progress
(C) Project management technique that emphasizes neutral
(D) Project management technique that emphasizes no progress
1 1 1 6
- _____ is defined as the process of generating analysis and designing documents.
(A) Re-engineering (B) Reverse engineering
(C) Software engineering (D) Science and engineering
1 1 1 7
- What is PERT analysis based on?
(A) Optimistic time (B) Pessimistic time
(C) Most likely time (D) Optimistic, pessimistic and most likely time
1 1 1 6
- What is the particular task performance in CPM known as?
(A) Dummy (B) Event
(C) Activity (D) Contract
1 1 2 6

7. Activities A, B and C are the immediate predecessors for Y activity. If the earliest finishing time for the three activities are 12, 15 and 10 then what will be the earliest starting time for Y?
(A) 10 (B) 12
(C) 15 (D) 07
8. CPM is _____
(A) Activity oriented (B) Event oriented
(C) Time oriented (D) Resource oriented
9. Which of the following risk is the failure purchased component to perform as expected?
(A) Product risk (B) Project risk
(C) Business risk (D) Programming risk
10. Which of the following term is best defined by the statement. "There will be change of organizational management with different priorities?"
(A) Staff turnover (B) Technology change
(C) Management change (D) Product competition
11. _____ is associated with the product risk.
(A) Test object (B) Non-availability of the test environment
(C) Negative consequences (D) Control of test item
12. RE indicates _____
(A) Risk Exposure (B) Related Expense
(C) Risk Expense (D) Risk Evaluation
13. Extreme programming (XP) is an approach of
(A) Agile software development (B) Interactive process of software development
(C) Prototype of software development (D) System approach
14. The core framework activities of extreme programming (XP) process are
(A) Planning, coding, testing, design (B) Coding, testing, planning, design
(C) Planning, design, coding, testing (D) Testing, design, coding, planning
15. According to Jacobson's view, amongst which of the following most suitable in terms of the pervasiveness of _____ is the primary driver for agility.
(A) Change (B) Objective
(C) Team (D) Subjective
16. Which one of the following is not an agile method?
(A) XP (B) 4GT
(C) AUP (D) XUV

17. Product backlog should be ordered on the basis of
(A) Value of the items being delivered (B) The complexity of the items being delivered
(C) Size of the items being delivered (D) The risk associated with the items
18. In an agile environment what is the main responsibility of a tester?
(A) Finding bugs (B) Create automation scripts
(C) Send test execution reports to the stakeholders (D) There is no role as a tester in SCRUM
19. Who is responsible to measure the project's performance?
(A) The scrum master (B) The delivery manager
(C) The product owner (D) The development team
20. What does a burndown chart display?
(A) Amount of remaining work with respect to time (B) The velocity of the team
(C) The capacity of the team members (D) Project progress
21. What is done during a sprint review meeting?
(A) Inspect progress towards the sprint goal (B) Discuss the architectural and technical aspects of the project
(C) Present the project's performance of the stakeholders and demo of the increment (D) The team discusses the improvements
22. What is the first step in the software development life cycle?
(A) System design (B) Coding
(C) System testing (D) Preliminary investigation and analysis
23. The major drawback of RAD model is _____
(A) It requires highly skilled developers/designers (B) It necessitates customer feedbacks
(C) It increases the component reusability (D) Both highly skilled development and customer feedback
24. Which of the following does not relate to evolutionary process model?
(A) Incremental model (B) Concurrent development model
(C) WINWIN spiral model (D) Incremental, concurrent development and WINWIN models
25. Which one the following activity is not time boxed?
(A) Product backlog refinement (B) Daily scrum
(C) Sprint review (D) Sprint