

## Department of CSE

### B. Tech. Mid Question Bank (R20 Regulation)

Academic Year: 2024-2025

Semester: VII

Subject Name: SPPM

Faculty Name: RAHEEM UNNISA

#### PART-A

Q.No	Questions	Marks	BL	CO	Unit No
1.	What is optimizing process?	2	BL1	CO1	1
2.	What is software process assessment?	2	BL1	CO1	1
3.	Define about the Initial and Repeatable process.	2	BL1	CO1	1
4.	Define about the Define and Managed process.	2	BL1	CO1	1
5.	Briefly discuss about PCMM.	2	BL1	CO1	1
6.	Discuss about CMM and CMMI.	2	BL6	CO1	1
7.	Discuss about transition phase.	2	BL6	CO2	2
8.	List out the drawbacks of waterfall model (In Practice).	2	BL1	CO2	2
9.	List 5 basic parameters for estimating software cost.	2	BL1	CO2	2
10.	Define artifacts of the process.	2	BL1	CO2	2
11.	Discuss about elaboration and construction phase.	2	BL6	CO2	2
12.	What are engineering and production phases?	2	BL1	CO2	2
13.	Describe about minor milestones.	2	BL5	CO3	3
14.	What is work breakdown structure.	2	BL1	CO3	3
15.	Define about minor and major milestones.	2	BL1	CO3	3
16.	What are iteration workflows.	2	BL1	CO3	3
17.	List out the different types of stakeholders.	2	BL1	CO3	3
18.	What is periodic status assessment.	2	BL1	CO3	3
19.	Explain about evolution of organizations	2	BL2	CO4	4
20.	Define i) Meta process ii) Macro process iii) Micro process	2	BL1	CO4	4
21.	What do you mean by Round trip Engineering?	2	BL1	CO4	4
22.	What is Configuration Control Board (CCB)?	2	BL1	CO4	4
23.	Define about core metrics.	2	BL1	CO4	4
24.	Describe about process automation.	2	BL5	CO4	4
25.	What are the advantages of next-generation software economics?	2	BL1	CO5	5
26.	Define modern project profiles.	2	BL1	CO5	5
27.	What are software management best practices?	2	BL1	CO5	5
28.	Discuss about teamwork among stakeholders.	2	BL6	CO5	5
29.	What is continuous Integration?	2	BL1	CO5	5
30.	What is CCPDS-R?	2	BL1	CO5	5

## PART-B

Q.No	Questions	Marks	BL	CO	Unit No
1.	Discuss the principles of software process change.	3	BL6	CO1	1
2.	Explain how to define a process.	3	BL2	CO1	1
3.	Write briefly about PSP and TSP.	3	BL1	CO1	1
4.	Discuss about CMM and CMMI.	3	BL1	CO1	1
5.	Explain why software organizations are chaotic.	3	BL2	CO1	1
6.	Discuss common Misconceptions about the software process.			CO1	
7.	Explain detail about Repeatable process.	6	BL2	CO1	1
8.	Explain the characteristics of maturity level with diagram.	6	BL2	CO1	1
9.	Discuss in detail about Software process Assessment.	6	BL6	CO1	1
10.	List and explain about 5 improvement steps for waterfall model.	3	BL1,2	CO2	2
11.	What are the principles of Modern software management? Explain.	3	BL1,2	CO2	2
12.	Discuss about Elaborator and Construction Phase?	3	BL6	CO2	2
13.	Discuss important trends in improving the software economics.	3	BL6	CO2	2
14.	Explain about Engineering artifacts in detail.	3	BL2	CO2	2
15.	Explain about Management artifacts in detail.	3	BL2	CO2	2
16.	Explain in detail about the principles of conventional software engineering.	6	BL2	CO2	2
17.	Explain four life cycle phases in detail.	6	BL2	CO2	2
18.	Explain about Model-based software Architectures.	6	BL2	CO2	2
19.	Explain in detail about periodic status assessments.	3	BL2	CO3	3
20.	Discuss about iteration workflows.	3	BL6	CO3	3
21.	Explain about software process workflows.	3	BL6	CO3	3
22.	Discuss about checkpoints of the process.	3	BL2	CO3	3
23.	Discuss about Evolutionary work breakdown structures.	3	BL6	CO3	3
24.	Explain in detail about iteration planning process.	3	BL2	CO3	3
25.	What are the seven core metrics? Explain!	3	BL1,2	CO4	4
26.	Explain about Evolution of Organizations.	3	BL2	CO4	4
27.	What are default roles in a software line of business organization?	3	BL1,2	CO4	4
28.	Explain Metric Automation.	3	BL2	CO4	4
29.	Briefly explain about life cycle expectations.	3	BL1,2	CO4	4
30.	Explain about pragmatic software metrics.	3	BL2	CO4	4
31.	Explain in detail about management indicators and quality indicators.	6	BL2	CO4	4
32.	Explain in detail about project organizations.	6	BL2	CO4	4
33.	Explain in detail about process Automation.	6	BL2	CO4	4
34.	Describe about modern project profile.	3	BL5	CO5	5
35.	Discuss top 10 software management principles.	3	BL6	CO5	5

36.	What are software management best practices in modern project profiles?	3	BL1,2	CO5	5
37.	Explain about modern software Economics.	3	BL2	CO5	5
38	Discuss software management best practices.	3	BL6	CO5	5
39	List and discuss about modern software economics.	3	BL1,6	CO5	5
40	Discuss in detail about Next generation software economics.	6	BL6	CO5	5
41	Define modern process transitions? Explain.	6	BL1	CO5	5
42	Describe the CCPDS-R CASE study.	6	BL5	CO5	5

