

BHARATI VIDYAPEETH INSTITUTE OF TECHNOLOGY
QUESTION BANK
Unit Test-II

Program: - Computer Engineering Group

Program Code:- CM

Course Title: - Software Engineering

Semester: - Fifth

Course Abbr & Code:-STE (315323)

Scheme: K

CHAPTER-3 (Software Modeling & Design) (CO3) 2 MARKS

1. Define the terms 1) Verification and 2) Validation
2. List and draw symbols used in Use Case Diagram.

4 MARKS

3. Explain Decision Table with example.
4. Explain White Box Testing with neat diagram.
5. Explain Black Box Testing with neat diagram.

CHAPTER-4 (Software Project Cost Estimation) (CO4)

2 MARKS

6. What is risk? Enlist types of risk.
7. Define Risk Identification.
8. Draw risk management process diagram.
9. Enlist sub-models used in COCOMO II.

4 MARKS

10. Explain the 4 P's management Spectrum.
11. Describe RMMM Strategy.
12. Calculate using COCOMO model i) Effort ii) Project Duration iii) Average Staff size
If estimated size of project is 200 KLOC Using organic mode.

Software projects	a _b	b _b	c _b	d _b
Organic	2.4	10.5	2.5	0.38
Semi - detached	3.0	1.12	2.5	0.35
embedded	3.6	1.20	2.5	0.32

13. Describe any 2 cost estimation techniques.
14. Explain Function Point Metrics for size estimation with example.

15. Explain analytical estimation technique with example..

CHAPTER-5 (Software Project Management) (CO5)

2 MARKS

16. Enlist basic principles of project Scheduling.
17. Draw network activity diagram for activities given in table.

Activity	Duration	Preceding Activity
A	15	-
B	25	-
C	12	A
D	20	A
E	22	B
F	16	C
G	21	D,E

4 MARKS

18. Explain Work Breakdown Structure.
19. Explain CPM with example.
20. Explain GANTT chart with example.

CHAPTER-6 (Software Quality assurance) (CO6)

2 MARKS

21. Define Software Quality.
22. List any 4 SQA activities.
23. Define quality control.

4 MARKS

24. Explain CMMI Process Model.
25. Describe Six Sigma Principles..
26. Explain GANTT chart with example.