



SNS COLLEGE OF TECHNOLOGY
Kurumbapalayam (Po), Coimbatore – 641 035
An Autonomous Institution



Accredited by NAAC – UGC with 'A++' Grade
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

23IT0201 Software Testing

Unit I: Introduction

Part A – Two Mark Questions

No	Question	Bloom Level	Industry Mapping
1	Define software testing and its objectives.	Remember	TCS, Infosys
2	Differentiate verification and validation.	Understand	Microsoft, Google
3	What is a defect and what are its types?	Remember	Amazon, Flipkart
4	List any two software testing principles.	Remember	Wipro, Infosys
5	What is a defect repository and why is it important?	Understand	Oracle, Meta
6	Explain the Testing Maturity Model (TMM) in brief.	Understand	TCS
7	Give one example of a defect class with scenario.	Understand	Google, Amazon
8	Define test case and test scenario.	Remember	Netflix, Apple
9	What are testing axioms?	Remember	Infosys
10	Explain the cost of defects in software lifecycle.	Understand	Microsoft, TCS

Part B – 13 Mark Questions

No	Question	Bloom Level	Industry Mapping
1	Explain Testing as an Engineering Activity with phases and key metrics.	Understand / Analyze	Infosys / Wipro
2	Draw and explain Testing as a Process model (STLC) with entry and exit criteria	Apply	TCS / Amazon
3	Explain origins of defects in software development with examples.	Analyze	Microsoft / Google
4	Compare Black-Box vs White-Box Testing with advantages and limitations.	Analyze / Evaluate	Amazon / Apple
5	Explain Control Flow Graph (CFG) and Cyclomatic Complexity with a small pseudo-code example.	Apply / Analyze	Amazon

Part C – 14 Mark Questions

No	Question	Bloom Level	Industry Mapping
1	Banking App Crashes During Peak Transactions a) Identify defect classes and origins b) Prepare a defect report format c) Suggest preventive measures and test strategies d) Map scenario to industry QA practice	Analyze / Evaluate / Create	Infosys / TCS
2	E-Commerce Checkout Issue a) Design test scenarios using equivalence partitioning & boundary value analysis b) Identify automation candidates c) Suggest risk-based priority for testing	Analyze / Evaluate / Create	Amazon / Flipkart
3	Online Exam Portal Crash on Simultaneous Logins a) Identify performance & reliability defects b) Suggest load/stress testing approach c) Propose CI/CD integration for automation	Analyze / Evaluate / Create	Byju's / Coursera