

ATMIYA UNIVERSITY**SEMESTER END EXAMINATION (REGULAR / SUPPLEMENTARY) SUMMER – 2022****Faculty of Science****B.C.A & B.Sc. Information Technology****18BCACC403 – System Analysis & Design****Duration of Exam – 3 hrs****Semester – IV****Max. Marks –****70****Part A (10x1= 10 marks)**Answer **ALL** questions

1.	How many phases are in SDLC?
2.	Fact finding techniques performed in which phase of SDLC?
3.	In Bubble chart Bubble or Circle indicates Table. (True / False)
4.	In Test Case [I,S,O], I stands for _____.
5.	Draw symbols of use case diagram.
6.	Aggregation and Inheritance are available relationship in _____ diagram.
7.	Write full form of LOC.
8.	What is defect? How it differs from error?
9.	Which metric includes complexity? (LOC or FP.)
10.	Circle in DFD indicates _____.

Part B (5x5= 25 marks)Answer **ALL** questions

6a.	State attributes of System Analyst.
OR	
6b.	Write definition and characteristics of system.
7a	Explain Waterfall Model.
OR	
7b	Explain Spiral Model.
8a	How Ms. Visio is helpful to draw DFD? Explain steps.
OR	
8b	Write steps to make pert chart or timeline chart in Ms. Project.
9a.	Explain Concept of Automated Testing.
OR	
9b.	Compare and Contrast Static Testing with Dynamic Testing.
10a	Give Five rules for Drawing of Data Flow Diagram.
OR	
10b	Determine number of modules using Structure / Hierarchy chart for an academic

.	college.

Part C (5x7= 35 marks)

Answer **ALL** questions

11a .	Explain last stage of SDLC.
OR	
11b .	On what basis approval of project (Software) is given? Explain
12a .	Explain Iterative Model.
OR	
12b .	Explain V-Model.
13a .	How Ms. Project is useful in Project Tracking? Explain
OR	
13b .	Explain Size Oriented Metrics.
14a .	Compare and Contrast white box and black box testing.
OR	
14b .	Compare and Contrast alpha and beta testing.
15a .	Draw DFD for hospital management system. You can choose any name and functions of hospital on the basis of your and knowledge and experience.
OR	
15b .	Draw an Activity Diagram for a Pizza delivery shop.
