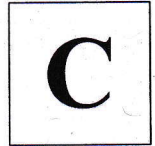


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MCA THIRD SEMESTER EXAMINATION, JANUARY 2022

**CAS 2303 Software Engineering
(Supplementary)**

Answer any 5 questions

Each questions carries 10 marks

	Questions	Marks
1	Explain about any two specialized process models	10
2	Discuss the following software life cycle models in detail (a) Prototyping Model (b) Spiral Model	10
3	Write a detailed note on requirement analysis and specification.	10
4	Architectural style is to establish a structure for all components of the system. Elaborate this statement with supporting diagrams.	10
5	a) List the golden rules on interface design. b) Elaborate the overall process for analysing and designing a user interface.	3 7
6	a) Differentiate between verification and validation. b) Describe different test strategies for conventional software.	3 7

7

- a) Compare white box testing and black box testing.
b) What is cyclomatic complexity? Find the cyclomatic complexity of the following flow graph.

4

6

