



K24P 2026

Reg. No. :

Name :

III Semester M.C.A. Degree (C.B.S.S. – Reg./Supple./Imp.)
Examination, November 2024
(2021 Admission Onwards)
MCA3E02 : SOFTWARE ARCHITECTURE

Time : 3 Hours

Max. Marks : 60

SECTION – A

Answer all questions. Each question carries two marks.

(10×2=20)

1. List the factors affecting the architecture development of software. 2
2. Explain the global analysis. 2
3. What are notations for allocation view type ? 2
4. What are the styles of module view type ? 2
5. What is CRM archetype pattern ? 2
6. What is conceptual architecture view ? 2
7. Differentiate service orientation pattern and service extension pattern. 2
8. What are structural patterns ? 2
9. What patterns are used for distributed computing ? 2
10. List out the patterns for resource management. 2

SECTION – B

Answer all questions. Each question carries eight marks.

(5×8=40)

11. a) Explain the architectural styles in software architecture. 8

OR

- b) Explain the case study of architectures designing, describing and using software architecture : IS2000. 8

P.T.O.



12. a) Explain documenting software interfaces. 8
OR
b) Explain conceptual architecture view. 8
13. a) Write a note on product archetype patterns. 8
OR
b) Write a note on design patterns. 8
14. a) Explain communication patterns in detail. 8
OR
b) Explain structural patterns in detail. 8
15. a) Explain the frameworks and patterns in detail. 8
OR
b) Explain analysis patterns in detail. 8

