



Reg. No. :

Name :

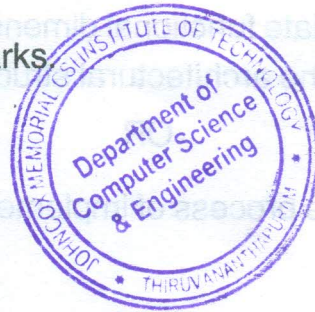
**Eighth Semester B.Tech. Degree Examination, April 2014
(2008 Scheme)
08.805.2 (Elective – III) : SOFTWARE ARCHITECTURE (R)**

Time : 3 Hours

Max. Marks : 100

PART – A

Answer **all** questions. **Each** question carries **4** marks



1. Write a note on software architecture.
2. What are the components of an interpreter ?
3. Give the object view of cruise control.
4. How can an architectural design space be formalized ?
5. Sketch how tools could interact with a shared repository.
6. What are the various things that might be formalized ?
7. Write short notes on a basic structural model.
8. List the benefits of module interconnection language/interface definition language.
9. What are first class connectors ?
10. Explain UNICON.

(10×4=40 Marks)



PART – B

Answer **any one full** question from **each** module. **Each** question carries **20** marks.

Module – I

11. Illustrate any four common architectural styles in detail. 20

OR

12. a) Explain the process control paradigms. 10

b) Discuss the merits and demerits of layered systems. 10

Module – II

13. a) Differentiate functional dimension and structural dimensions. 10

b) Explain the architectural structure for shared information systems. 10

OR

14. Describe the process of implementing a design space on a QFD frame work. 20

Module – III

15. Elaborate the various classes of properties that characterize an ideal architectural description language. 20

OR

16. a) Write short notes on :

i) Components and Connectors 10

ii) Abstraction and Encapsulation 10

iii) Accommodating Analysis Tools. 10

b) Explain about the exploiting style in Architectural Design Environments. 10

(3×20=60 Marks)