

Code No: **R41121****R10****Set No. 1****IV B.Tech I Semester Supplementary Examinations, March/April - 2016****DESIGN PATTERNS****(Information Technology)****Time: 3 hours****Max. Marks: 75**

Answer any FIVE Questions
All Questions carry equal marks

- 1 a) What is Design pattern? Discuss. [8]
b) Explain about the catalogs of Design pattern. [7]
- 2 a) How to construct a particular physical structure, one that corresponds to a properly formatted document. [8]
b) Differentiate between window and window Imp. [7]
- 3 a) What are the uses of Singleton? Explain. [8]
b) How to implement builder class. [7]
- 4 a) What are the participants of Adapter pattern? [8]
b) Explain about the implementation issues of Bridge. [7]
- 5 a) Explain about the several common issues where proxy is applicable. [8]
b) How proxy pattern exploit the language features? Explain with examples. [7]
- 6 a) What is chain of Responsibility? Explain. [8]
b) What are the consequences of the Interpreter? Discuss. [7]
- 7 a) Explain about the motivation of observer. [8]
b) .Explain about the uses and participants of the Observer. [7]
- 8 a) Write the history of the Design Patterns. [8]
b) Write a short notes on Refactoring. [7]