

Total number of printed pages – 3

B. Arch
PEAR 8407

Eighth Semester Examination – 2008

**PREFABRICATION AND
MODULAR COORDINATION**

Full Marks – 70

Time : 3 Hours

*Answer Question No. 1 which is compulsory
and any **five** from the rest.*

*The figures in the right-hand margin
indicate marks.*



1. Answer the following questions : 2×10
- (a) What do the following abbreviations stand for ?
 - (i) FRP
 - (ii) CBRI
 - (iii) What is standardized prefabrication ?

- (c) What are the various types of deviation in shapes and sizes in modular co-ordination ?
 - (d) What are the various prefabricated components used in a skeletal system of construction ?
 - (e) What is partial prefabrication ?
 - (f) State the recommendations of NBC,1970, regarding modular coordination.
 - (g) What is the relevance of Modular Coordination in India ?
 - (h) Define effectiveness or effective ration of a building system.
 - (i) What are the difficulties faced due to deviation in modular coordination ?
 - (j) What is modular coordination ?
2. What is prefabrication ? Classify Prefabricated components. 10
3. Explain Building systems. What are the different types of building systems. Explain each system briefly. 10

P.T.O.

PEAR 8407

2

Contd.

4. Write notes on : 5×2
- (i) Bearing Panel system
 - (ii) structural frame systems
5. Discuss the various systems of proportion. 10
6. Describe modular coordination and discuss its objectives and principles. 10
7. Write notes on : 5×2
- (a) Tapsia system
 - (b) Prefabricated systems developed by CBRI, Roorkee.
8. What is the importance of prefabrication and modular coordination in the Indian context. 10
