

124

JAYA GROUP OF INSTITUTION THIRUNINRAVUR-602024

8TH SEM- BE

INTERNAL ASSESSMENT – II (MODEL EXAMINATION - II)

SUB NAME : PREFABRICATED STRUCTURES

DATE: 11.3.15

SUB CODE : CE2045

BRANCH: CIVIL

DURATION : 180 MINUTES

MAX MARKS: 100

Part A (10*2=20) Answer All the Questions

1. What is disuniting of structures?
2. At what point in the members disuniting should be done?
3. What are the advantages of disuniting of structures?
4. Explain joint flexibility?
5. Explain joint deformation?
6. What is the need for expansion joint in precast structures?
7. What are the connections?
8. What are the different types of connections?
9. What are the different types of joints?
10. What are the materials used for concrete joints?

Part B (5*16=80) Answer All the Questions

11. Explain in detail disuniting of structures? (Or)

Explain in detail systems consisting of linear members disuniting at joints and prefabrication of entire rigid frame

12. Design of cross section of load carrying structures (Or)

Explain in detail systems consisting of L, T and U shaped of minimum moments and Two - Hinged & Three- Hinged Arches

13. What are the principles of structural analysis and various specifications (Or)

Explain in detail introduction of joints for structural methods?

14. List out the connection detail and explain (Or)

What are the recommendations for detailing the elements in respect of the connection and erection

15. What are the type of connection and explain with sketch (Or)

List out the merit and demerit of connection