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**JAYA GROUP OF INSTITUTIONS**  
**THIRUNINRAVUR CH - 24**  
**8<sup>TH</sup> SEM - BE**  
**MODEL EXAM I - FEB 2015**

**SUB TITLE: PREFABRICATION STRUCTURE**  
**SUB CODE: CE2045**  
**DURATION: 1-4PM (3 HRS)**

**DATE: 11.2.15**  
**BRANCH: CIVIL ENGG**  
**MAX MARK: 100**

**ANSWER ALL THE QUESTIONS**

**PART A 2Mark (10\*2=20)**

1. Define prefabrication?
2. What are the types of Prefabricates based on shape?
3. Explain the aggregate system production technique
4. What are the advantages of standardization?
5. What are the methods for manufacture of precast concrete elements?
6. What are the types of the cross wall system?
7. What are the prefabricated structural units?
8. What is the classification of precast large panel?
9. What is a shear wall?
10. What is ring system?

**PART B 16 Mark (5\*16=80)**

11. Explain the classification of prefabrication (Or)  
What is modular coordination and explain the each definition
12. Explain the precast structure installation (Erection) (Or)  
What are methods of manufacture of precast concrete elements and explain
13. Explain the necessity for prefabrication in India (Or)  
What are the prefabrication structural components explain
14. Write the prefabrication as applied to 'low cost' Housing (Or)  
What are the classifications of precast large panel?
15. Comparisons of shear wall with construction of conventional load bearing walls (Or)  
Write the architectural aspects of shear walls