1. **Explain briefly the disuniting of structures?**
   In prefabrication many elements of prefabricated, are assembled or united or jointed to form a single structures. The problem in prefabrication is the transportation. To avoid this problem of transportation, the structure is disunited or separated into smaller elements so that the transportation becomes very easy.
2. **Write the advantages of disuniting structures?**
   - The number of joints is reduced
   - Failure at joints is minimum
   - This disuniting method is suitable for site prefabrication
   - Transportation cost for many elements to the site is reduced.
3. **Write the disadvantages of disuniting of structures?**
   The lifting or hoisting of the entire frame is more difficult.
   Transportation of the frame from the plant is difficult.
   Transport cost is high for the transport of entire frame.
   The stress distribution during lifting is a problem.
4. **How can we classify the prefabrication principles?**
   - Homogeneous
   - Composite
5. **Mention the design of cross section in prefabrication?**
   T section, I section , U or V section.
6. **Explain joint deformation?**
   Various structural elements are made in the plant or prefabricated when these elements in their site there may be joint deformation to take it workout deformation.
7. **Mention some important requirements of the joint flexibility?**
   The construction of joint should be easy
   The joint should require little material
   Join should not consume more labour
   Less labour is to be required
   The cost should be minimum.
8. **How does the material used in construction affect the design of the element?**
   The materials for the construction are classified as homogeneous and composite based on the number of different material used in prefabrication.

9. **Distinguish between rigid joint and hinged joint with reference to prefabricated construction?**

   The rigid joints are of adequate strength in addition to bearing of tensile compressive and shear force and for resisting bending moment. The hinge joint is those which can transmit force passing through the hinge itself allow sudden motion and rotation.

10. **Write the system consisting of linear member disunited at joint?**

    Disunity at joint gives the linear member this means a great advantages and facility from the view point of both manufacture and assembly. Using this system, auxillary scaffolding is not necessary and the hoisting process is as a rule very simple.

11. **Explain join flexibility?**

    A joint that holds two parts together so that one can swing relative to the other is called joint flexibility.

12. **Write the classification of homogeneous prefabrication?**

    Hollow

    Solid

    Ribbed

13. **Write the classification of composite prefabrication?**

    Cored

    Solid

    Ribbed

14. **List the disadvantages of precast construction?**

    Very heavy members

    Camber in beams and slabs

    Very small margin for error

    Connections may be difficult

    Somewhat limited building design flexibility

15. **What are the materials used for concrete joints?**

    Flexible board

    Dowels

    Sealants