



Department of Civil Engineering

CE8022 – Prefabricated Structures

Unit I – MCQ Bank

1. Which is the system for prefabrication?

- a) Closed PFS.
- b) Open PFS**
- c) Floor PFS
- d) Roof system

Answer: **b**

2. Which are the limitations of modular coordination in precast element

- (i) Alteration
 - (ii) Forming the joint
- a) only(i)
 - b) only(ii)
 - c) both(i),(ii)**
 - d) None of the above

Answer: **c**

3. Which of the following stress affects the Demoulding?

- a) stripping stress**
- b) Dynamic stress
- c) Erection stress
- d) Lifting stress

Answer: **a**

4. Which of the following stress affects the Transportation?

- a) Stripping stress
- b) Dynamic stress**
- c) Erection stress
- d) Lifting stress

Answer: **b**

5. How many methods are available for Manufacture of precast concrete elements?

- a) One
- b) Two**
- c) Three
- d) Four

Answer: **b**

6. Which one is not the characteristic of Materials used for construction of PFS?

- a) Non Durability**
- b) Non Combustibility
- c) Lighter materials
- d) None of the Above

Answer: **a**

7. Slip forming enables

- i) Continuous concrete structure
 - ii) Non-interrupted structure
- a) Only(i)
 - b) Only(ii)
 - c) Both(i),(ii)**
 - d) None of the above

Answer: **c**

8. What are the Advantages of standardization?

- a) Easier for design

- b) Easier to manufacture
- c) Easier to erection and completion
- d) All of the above**

Answer: **d**

9. What is the nature erection stresses?

- a) Dynamic**
- b) Static
- c) Compatible
- d) Rigid

Answer: **a**

10. State true or false. Permitted variation in length, width, thickness, height, depth or diameter is known as tolerance. **FALSE**

11. What are the criteria in selection of the lifting points if the surface should be free of discernible cracks?

- (i) The centre of the lifting points should coincide with the centre of gravity of the precast element.
 - (ii) Compressive stresses on both faces to be less than that which would cause cracking.
 - (iii) Tensile stresses on both faces to be less than that which would cause cracking.
 - (iv) The position of lifting points is calculated to limit lifting stresses and to ensure that the precast element hangs in the correct orientation during lifting from the mould and while it is lifted into its final position
- a) (i),(ii),(iii)
 - b) (i),(ii),(iv)
 - c) (i),(iii),(iv)**
 - d) None of the above

Answer: **c**

12. Which are the suitable locations for prefabricated structures?

- a) Hilly region

- b) Row house construction
 - c) Places with easily available materials
 - d) Non skilled labours
- a) (i),(ii)**
 - b) (i),(iii)
 - c) (ii),(iii)
 - d) (iii),(iv)

Answer: **a**

13. Which are the characteristics of Materials used for construction of PFS?

- a) Thermal insulation property**
- b) Combustibility
- c) Heavier materials
- d) None of the Above

Answer: **a**

14. Which method is not adopted in precasting?

- a) Tilting mould method
- b) Long line method
- c) Extrusion method
- d) Static method**

Answer: **d**

15. Choose the odd one out

- a) Manufacturing tolerance
- b) Non Dimensional tolerance**
- c) Erection Tolerance
- d) Casting Tolerance

Answer: **b**

16. Which of the below equipment is not used for hoisting of prefabricated components?

- a) Stationary cranes
- b) Cranes on rails
- c) Mobile cranes
- d) All of the above**

Answer: **d**

17. Slip form construction is a construction method in which concrete is poured into

- a) Static form
- b) Continuously moving form
- c) Vertically moving form
- d) Interrupted forms**

Answer: **d**

18. Fill the correct answer

STANDARDIZATION. is to the creation and use of guidelines for the production of uniform interchangeable components especially for use in mass production

19. Certain geometric discipline using practical approaches which relate to setup coordination and measurement of components and spaces in building design is introduced in

- a) Standardization
- b) Modular coordination**
- c) Remoulding
- d) Moulding

Answer: **b**

20. Prefabrication is a..... construction method

- a) Automotive
- b) Modern
- c) Established
- d) Industrialised**

Answer: **d**

21. The prefabricated units made at the site itself called

- a) **cast insite prefabrication**
- b) offsite prefabrication
- c) Total prefabrication

Answer: **a**

22. The prefabricated units made at the factory itself called

- a) Cast insite prefabrication
- b) **Offsite prefabrication**
- c) Total prefabrication

Answer: **b**

23. Based on the materials the moulds are classified into

- a) **4**
- b) 5
- c) 3

Answer: **a**

24. The precast units shall have a minimum bearing of

- a) **75**
- b) 100
- c) 50

Answer: **a**

25. How many times wooden mould can be used?

- a) **30 to 40**
- b) 70 to 80
- c) 20 to 40

Answer: **a**

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