Assignment 5

Course outline
How to improve the quality of the concrete produced?

Assignment

1. According to IS 2062-1991, the effective depth of a slab shall not be less than:
   a) 0.25% of the total cross-sectional area
   b) 0.35% of the total cross-sectional area
   c) 0.45% of the total cross-sectional area
   d) None of the above

   Answer: a) 0.25% of the total cross-sectional area

2. In the case of a beam, the effective depth shall not be less than:
   a) 0.40% of the total cross-sectional area
   b) 0.50% of the total cross-sectional area
   c) 0.60% of the total cross-sectional area
   d) None of the above

   Answer: a) 0.40% of the total cross-sectional area

3. According to IS 383-1970, the eccentricity shall be less than:
   a) 0.05% of the beam length
   b) 0.10% of the beam length
   c) 0.15% of the beam length
   d) None of the above

   Answer: a) 0.05% of the beam length

4. The eccentricity of a wall shall be less than:
   a) 0.10% of the wall length
   b) 0.20% of the wall length
   c) 0.30% of the wall length
   d) None of the above

   Answer: a) 0.10% of the wall length

5. The tensile force in a beam shall not be less than:
   a) 0.10% of the total cross-sectional area
   b) 0.20% of the total cross-sectional area
   c) 0.30% of the total cross-sectional area
   d) None of the above

   Answer: a) 0.10% of the total cross-sectional area

6. The deflection of a beam shall not exceed:
   a) 1/200 of the span
   b) 1/100 of the span
   c) 1/150 of the span
   d) None of the above

   Answer: a) 1/200 of the span

7. The beam shall be designed for:
   a) Ultimate load
   b) Partial load
   c) Permanent load
   d) None of the above

   Answer: a) Ultimate load

8. The total deflection of a beam shall not exceed:
   a) 1/300 of the span
   b) 1/200 of the span
   c) 1/150 of the span
   d) None of the above

   Answer: a) 1/300 of the span

9. The beam shall be designed for:
   a) Ultimate load
   b) Partial load
   c) Permanent load
   d) None of the above

   Answer: a) Ultimate load

10. The beam shall be designed for:
    a) Ultimate load
    b) Partial load
    c) Permanent load
    d) None of the above

    Answer: a) Ultimate load

11. The beam shall be designed for:
     a) Ultimate load
     b) Partial load
     c) Permanent load
     d) None of the above

     Answer: a) Ultimate load

12. The beam shall be designed for:
     a) Ultimate load
     b) Partial load
     c) Permanent load
     d) None of the above

     Answer: a) Ultimate load