Civil Engineering Quiz 002 (Mixed)

Quiz Instructions
- Before attempting, carefully read the question text.
- Then choose the correct answer.
- Click on **"Submit"** to confirm your answer.
- Use the **Question List** in the upper left corner to jump to a certain question.

1. The vernier scale in which 10 divisions of the viemier scale is equal to divisions of the main scale is called__.

    A) direct vernier

    B) double vernier

    C) extended vernier

    D) retrograde vernier

2. Which of the following statement is not correct for the principle of surveying?

    A) Location of a point with respect to two references

    B) Major control points are measured with lower degree of precision

    C) Minor control points are measured with higher degree of precision

    D) Working from part to whole

3. The maximum error (mm) on the drawing should not be greater than_____.

    A) 0.01

    B) 0.025

    C) 0.25

    D) 0.1

4. What is the actual size (mm) of the standard modular brick as per Indian Standards?

    A) 190 x 90 x 90

    B) 200 x 90 x 90

    C) 200 x 100 x 100

    D) 229 x 114 x 76

5. What is the function of the plumbing fork in plane table surveying?

    A) Used for centering of plane table

    B) Used for leveling the plane table

    C) Used for orientation of plane table

    D) Used for sighting the object

6. Calculate the magnetic declination, if the magnetic bearing of a line is N 81^0 E and true bearing of the line is N 77^0 E.

   A) 4 degree eastward

   B) -8 degree eastward

   C) -4 degree westward

   D) 4 degree

7. Which one of the following set of internal angles (degree) of a triangle does not show well condition triangle?

   A) 20, 90, 70

   B) 25, 45, 110

   C) 40, 125, 15

   D) 35, 80, 65

8. The ratio of focal length of the objective to stadia interval is called_.

   A) additive factor

   B) multiplying factor

   C) staff intervals

   D) subtraction factor

9. Calculate the additive and multiplying constant, if the focal length of the objective glass is 250 mm, stadia intercept is 2 mm and distance of the instrument axis from the center of the object glass is 190 mm.

   A) 95, 440 mm

   B) 125, 440 mm

   C) 440, 95 mm

   D) 440, 125 mm

10. The back sight reading taken from a level at a bench mark is 1.56 m and a fore sight at a point A is taken on an inverted staff is 1.65 m. Calculate the reduced level of the point A, if the reduced level of the bench mark is 150 m.

   A) 146.79

   B) 149.91

   C) 152.8

   D) 153.21

Answer Keys

Question	Answer
1	A
2	D
3	C
4	A
5	A

Question	Answer
6	A
7	D
8	B
9	D
10	D