QUIZ NO: 768

TOPIC: SURVEYING

DATE: 02/11/2023

1. **Point of intersection of tangents drawn to curves**

   [A] Apex

   [B] Versine of curve

   [C] Vertex

   [D] Point of tangency

   Answer: C

2. **In earthwork computation on a longitudinal profile, the diagram prepared to work out the quantity of earthwork is**

   [A] Double mass curve

   [B] Mollier diagram

   [C] Mass haul diagram

   [D] Flow net

   Answer: C

3. To change the direction of motion of vehicle on roads and railways we use

   [A] Traverse

   [B] Resection

   [C] Intersection

   [D] Curve

   Answer: D

4. Prismoidal correction while surveying is always:

   [A] Exponentially subtractive

   [B] Exponentially additive

   [C] Subtractive

   [D] Additive

   Answer: C

5. To use prismoidal formula for volume calculation, the number of areas should be

   [A] Even

   [B] Odd

   [C] Can be odd or even

   [D] 3

   Answer: B

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6. **Most accurate method for volume calculation is**

   [A] Simpson's rule

   [B] Prismoidal formula

   [C] Trapezoidal method

   [D] Average end area method

   Answer: B

7. **Line joining point of curve and point of intersection**

   [A] Long chord

   [B] Back tangent

   [C] Forward tangent

   [D] Mid ordinate

   Answer: B

8. **Angle between back tangent and forward tangent:**

   [A] Deflection angle

   [B] Central angle

   [C] Angle of intersection

   [D] None of these

   Answer: C

9. The chainage of the intersection point of two straights is 1060 m, and the angle of intersection is 120°. If radius of a circular curve to be set out is 570 m, and peg interval is 30 m. What is the length of the long chord?

   [A] 370 m

   [B] 470 m

   [C] 670 m

   [D] 570 m

   Answer: D

10. A circular curve of radius R connects two straights with a deflection angle of 60°. The tangent length is

    [A] 0.577R

    [B] 1.155R

    [C] 1.732R

    [D] 3.464R

    Answer: A

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