

QUIZ NO: 808

TOPIC: SURVEYING

DATE: 19/03/2024

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

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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