



ANSWER KEY

**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** 





ANSWER KEY

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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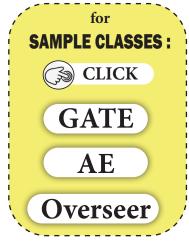


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ANSWER KEY

#### 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** 





ANSWER KEY

- 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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