

## QB- CBCGS- SURVEYING-I I SEM III CIVIL

1. Representing large scale on the surface of the earth is \_\_\_\_\_
  - a) Plan
  - b) Map
  - c) Scale
  - d) Area
2. The relation between altitude and latitude of the observer can be given as \_\_\_\_\_
  - a) Equal
  - b) Minimum
  - c) Maximum
  - d) Not equal
3. The sign for the deflection angle depends upon \_\_\_\_\_
  - a) Altitude
  - b) Zenith
  - c) Celestial body
  - d) Horizon
4. Which of the following type of levelling is necessary across a river ravine or any obstacle requiring a long site between two points?
  - a) Barometric levelling
  - b) Trigonometric levelling
  - c) Reciprocal levelling
  - d) Spirit leveling
5. Flying height refers to \_\_\_\_\_
  - a) Upper portion of the exposure station
  - b) Bottom of the exposure station
  - c) Depression of the exposure station
  - d) Elevation of the exposure station
6. The lens used in aerial photogrammetry is having a maximum coverage capacity of \_\_\_\_\_ (in angles)
  - a)  $93^\circ$
  - b)  $63^\circ$
  - c)  $53^\circ$
  - d)  $98^\circ$
7. Which among the following surveying methods is meant to be having high precision?
  - a) Aerial photogrammetry
  - b) Terrestrial photogrammetry
  - c) Theodolite surveying
  - d) Traverse surveying
8. Vertical photograph coincides with the \_\_\_\_\_
  - a) Direction of line of sight

- b) Direction of lens
- c) Direction of aperture
- d) Direction of gravity

9. Focal plane varies while aerial photogrammetry is carried out.
- a) True
  - b) False

How much inclination must be provided in a tilted photograph?

- a) 13°
- b) 20°
- c) 3°
- d) 34°

10. Geodimeter uses which of the following waves as a carrier wave?

- a) Microwaves
- b) Visible light
- c) Infra-red
- d) Cosmic rays

11. Which among the following EDM instruments are capable of producing output with less expenditure?

- a) Microwave instruments
- b) Cosmic ray instruments
- c) Visible light instruments
- d) Infra-red instruments

12. In total station, data is stored in \_\_\_\_\_

- a) Pen drive
- b) Data card
- c) Micro processor
- d) External hardware

13. Which of the following indicates the correct set of the combination of total station?

- a) Theodolite, compass
- b) Theodolite, EDM
- c) Electronic theodolite, EDM
- d) EDM, GPS

14. Which among the following doesn't indicate the basic calculation of the total station?

- a) Horizontal distance
- b) Slope distance
- c) Vertical distance
- d) Co-ordinate calculations

15. The transit is the term simply used for \_\_\_\_\_
- a) Telescope
  - b) Transit theodolite
  - c) Non- transit theodolites
  - d) Dumpy level
16. Transit tape is used in case of small survey.
- a) False
  - b) True
17. Which among the following can be possessed by the horizontal control?
- a) Chaining
  - b) Triangulation
  - c) Theodolite
  - d) Compass
18. Which survey involves in the collection of information about the elevation of points?
- a) Topographic survey
  - b) Marine survey
  - c) Township survey
  - d) Road survey
19. Shape of the earth can act as an error in case of topological survey.
- a) True
  - b) False
20. Length of the curve depends on the criteria used for defining the degree of the curve.
- a) True
  - b) False
21. 12. While designing a curve, which among the following must be taken into consideration?
- a) Minerals present
  - b) Geomorphology
  - c) Topography
  - d) Rocks present
22. 13. The provision of equilibrium cant can be seen in case of \_\_\_\_\_
- a) Curves
  - b) Mountains
  - c) Highways
  - d) Railways
23. 14. In order to prevent the case of overturning, which of the following is provided?
- a) Super elevation
  - b) Reverse curve
  - c) Simple curve
  - d) Compound curve

24. 15. In linear method of setting out curve, which of the following is not used?
- a) Tape
  - b) Chain
  - c) Theodolite
  - d) Compass
25. The observations made for setting a compound curve must be equal to \_\_\_\_\_
- a)  $180-(\Delta/2)$
  - b)  $180-(\Delta 1/2)$
  - c)  $180-(\Delta 2/2)$
  - d)  $180+(\Delta/2)$
26. Which of the following provides the best case for setting the reverse curve?
- a) When straights are perpendicular
  - b) When straights form arc
  - c) When straights are parallel
  - d) When straights form curves
27. A curve which is having a varying radius is called \_\_\_\_\_
- a) Simple curve
  - b) Compound curve
  - c) Transition curve
  - d) Reverse curve
28. Clothoid is also known as \_\_\_\_\_
- a) Glover's spiral
  - b) Froude's equation
  - c) Cartesian curve
  - d) Cubic spiral
29. If the super elevation for a road is given as 24m, find the length of transition curve.
- a) 15.6 km
  - b) 15.6 m
  - c) 15.6 cm
  - d) 15.6 mm
30. The observations made for setting a compound curve must be equal to \_\_\_\_\_
- a)  $180-(\Delta/2)$
  - b)  $180-(\Delta 1/2)$
  - c)  $180-(\Delta 2/2)$
  - d)  $180+(\Delta/2)$