

22301 Advance surveying Mcq Test paper

Advantages of plane table surveying

- (a) it is most rapid method of surveying
- (b) Irregular objects can be represented accurately.
- (c) it is suitable for magnetic areas
- (d) There is no possibility of overlooking any important object
- (e) all of the above **Answer**

State the uses of EDM

- (a) It is useful in fixing alignment of road, railways, canals etc
- (b) It is useful in topographical survey
- (c) It is less costly
- (d) both (a) & (b) **Answer**

software for GPS

- (a) Caliper
- (b) GPSWOX
- (c) HERE
- (d) Navigon
- (e) all of the above **Answer**

Applications of GIS in Civil Engineering

- (a) Environmental Impact studies
- (b) Mineral Exploration
- (c) Map making
- (d) Site selection
- (e) all of the above **Answer**

Enlist the types of Horizontal Curve used in roads and railway alignment

- (a) Simple Curve
- (b) Compound Curve
- (c) Summit Curve
- (d) both (a) & (b) **Answer**

Enlist the types of Vertical Curve used in roads and railway alignment

- (a) Transition Curve
- (b) Reverse Curve
- (c) Summit Curve
- (d) Valley Curve
- (e) both (c) & (d) **Answer**

Uses of transit theodolite.

- (a) To prolong a straight line
- (b) To measure horizontal angle
- (c) To measure vertical angle
- (d) all of the above **Answer**

features of digital theodolite

- (a) Built in illumination for night operation **Answer**
- (b) Leveling the table
- (c) To measure magnetic bearing of survey lines.
- (d) To fix the sheet on which map should be drawn

component parts of digital theodolite

- (a) Plate level
- (b) Optical plummet
- (c) Clamping screw
- (d) Telescope
- (e) all of the above **Answer**

Component of GIS

- (a) Hardware
- (b) Software
- (c) Satellites
- (d) Receivers
- (e) both (a) & (b) **Answer**
- (f) both (c) & (d)

Component of GPS i) Ground control station ii) Satellites iii) Receivers

- (a) People
- (b) Data
- (c) Ground control station
- (d) Satellites
- (e) both (a) & (b)
- (f) both (c) & (d) **Answer**

disadvantages of plane table survey

- (a) It is the most rapid method of surveying
- (b) The map cannot be re-plotted to a different scale as there is no field book
- (c) The instrument is very heavy and difficult to carry
- (d) It is suitable in magnetic areas
- (e) both (b) & (c) **Answer**

Advantages of plane table survey

- (a) There is no possibility of overlooking any important object.

- (b) Errors in measurement and plotting can be detected by check lines
- (c) It is the most rapid method of surveying.
- (d) Inaccessible points can be easily located by intersection.
- (e) all of the above **Answer**

Uses of digital level

- (a) Digital level can be used to draw maps using interface with computer
- (b) It is also used for day night work of survey.
- (c) Large internal memory
- (d) Easy to read arrangement
- (e) both (a) & (b) **Answer**

Salient features of total station

- (a) High accuracy
- (b) Automatic atmospheric correction
- (c) Long measuring range.
- (d) It is water resistance and dust proof
- (e) all of the above **Answer**

application of remote sensing in Disaster management

- (a) identifying the risk prone areas
- (b) Study about Ozone layer depletion
- (c) useful for taking images of large area quickly **Answer**
- (d) rescue and aid operations

application of remote sensing in Environment

- (a) In case of earthquakes
- (b) landslides
- (c) volcanic eruptions and floods
- (d) all of the above **Answer**

application of remote sensing in Land use

- (a) floods and natural hazards
- (b) cheaper than ground surveying
- (c) Pollution in the form of oil spills and thermal plumes can easily be monitored
- (d) Remote sensing is useful in weather forecasting
- (e) both (c) & (d) **Answer**

State whether the following statements are True or False

GIS is a system that collects, displays, manages and analyzes geographic information

- (a) True **Answer**
(b) False

The position of telescope with face left is known as telescope inverted

- (a) True
(b) False **Answer**

Reason: The position of telescope with face right is known as telescope inverted

The position of telescope with face right is known as telescope normal

- (a) True
(b) False **Answer**

Reason: The position of telescope with face left is known as telescope normal

GPS is a satellite navigation system used to determine the ground position of an object.

- (a) True **Answer**
(b) False

Swinging is the process of turning the telescope in horizontal plane about its Horizontal axis

- (a) True
(b) False **Answer**

Reason: It is the process of turning the telescope in a horizontal plane about its vertical axis.

Transiting is the process of turning the telescope through 180° in a vertical plane about its horizontal axis

- (a) True **Answer**
(b) False

The angle subtended at the centre of the circle by a chord of standard length of 30m is known as degree of curve.

- (a) True **Answer**
(b) False

Stadia diaphragm is not essential in Tacheometer

- (a) True
(b) False **Answer**

Reason: Stadia diaphragm is essential in Tacheometer

Theodolite is Used for computing horizontal distance from instrument station to staff station and RL of staff station.

- (a) True
(b) False **Answer**

Reason: Theodolite is Used for measurement of horizontal angle, vertical angle, bearing etc

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