Unit 6 - Week 5

Assessment 5

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2020-04-01, 23:59 IST.

1) EDMI technique that provides more accurate measurement of distance is *1 point*

- Phase shift method
- Pulsed laser system

No, the answer is incorrect.
Score: 0
Accepted Answers:
Phase shift method

2) Precision in measurement of angle may be increased by making *1 point*

- One direct measurement only
- One direct and one reverse measurement only
- Repetition in measurement

No, the answer is incorrect.
Score: 0
Accepted Answers:
Repetition in measurement

3) Total station measures *1 point*

- Horizontal distance
- Vertical distance
- Slope distance

No, the answer is incorrect.
Score: 0
Accepted Answers:
Slope distance

4) In case of measurement of horizontal angle by total station in reverse mode, F.S is taken to the object at the _____ of the observer *1 point*

- Right
- Left
- Either of the right or the left

No, the answer is incorrect.
Score: 0
Accepted Answers:
Left

5) From direct mode to reverse mode of a total station can be achieved through *1 point*

- Plunging and swinging of alidade
- Plunging and swinging of EDM
- Plunging of alidade and swinging of EDM
- Plunging of EDM and swinging of alidade

No, the answer is incorrect.
Score: 0
Accepted Answers:
Plunging of EDM and swinging of alidade

6) Which one of these is incorrect: *1 point*

- Both pulse laser based method and phase shift method are used for reflector based measurements.
- Pulse laser based measurement has longer range than Phase shift measurement.
- Accuracy in Phase shift measurement is better than Pulse based measurement.
- For longer range, Pulse laser based measurement is faster than Phase shift measurement

No, the answer is incorrect.
Score: 0
Accepted Answers:
Both pulse laser based method and phase shift method are used for reflector based measurements.

7) During measurement, the incident wave or pulse from total station to a reflector *1 point*

- Should beexactly to the center of prism as the alignment of prism is critical.
- May be within a range of incidence of about 10^0 to the normal of the front face of the prism.
- May be within a range of incidence of about 20^0 to the normal of the front face of the prism
- May be within a range of incidence of about 30^0 to the normal of the front face of the prism.

No, the answer is incorrect.
Score: 0
Accepted Answers:
May be within a range of incidence of about 20^0 to the normal of the front face of the prism

8) Total station automatically measures *1 point*

- Altitude Angles
- Horizontal Distance
- Vertical Heights
- Zenith Angles

No, the answer is incorrect.
Score: 0
Accepted Answers:
Zenith Angles

9) Error due to curvature and refraction is given by 0.0675 D^2 where *1 point*

- error is in metre and D is in kilometre
- error is in millimetre and D is in metre
- both error and D are in metre
- both error and D are in kilometre

No, the answer is incorrect.
Score: 0
Accepted Answers:
error is in metre and D is in kilometre

10) Temporary adjustment of a total station does not consists of *1 point*

- Fixing
- Leveling
- Centering
- Orientation

No, the answer is incorrect.
Score: 0
Accepted Answers:
Orientation

11) Error in measurement in heights may be removed/reduced *1 point*

- by placing total station near backsight station
- by placing total station near foresight station
- by placing total station between back sight station and foresight station
- by placing total station anywhere outside the line joining back sight station and foresight station

No, the answer is incorrect.
Score: 0
Accepted Answers:
by placing total station between back sight station and foresight station

12) Integer ambiguity is associated with measurement of *1 point*

- Angle
- Horizontal distance
- Vertical distance
- Slope distance

No, the answer is incorrect.
Score: 0
Accepted Answers:
Slope distance

13) Error in height from total station may be reduced by placing total station *1 point*

- near back sight station
- near fore sight station
- irrespective of the location of back sight and fore sight stations
- in between the back sight and fore sight stations

No, the answer is incorrect.
Score: 0
Accepted Answers:
in between the back sight and fore sight stations

14) Errors in measurements from total station may be reduced by taking *1 point*

- measurements in direct mode
- measurements in reverse mode
- measurements either in direct or in reverse mode
- measurements both in direct and in reverse mode

No, the answer is incorrect.
Score: 0
Accepted Answers:
measurements both in direct and in reverse mode

15) _____ error is not due to lack in permanent adjustment of total station *1 point*

- Vertical collimation
- Centering
- Titling axis
- Horizontal collimation

No, the answer is incorrect.
Score: 0
Accepted Answers:
Centering