

Question 50

Answer saved

Marked out of 1

Flag question

What is the zenith angle between a line of sight and the zenith direction?

- ☐ 0°
- ☒ 90°
- ☐ Between 0° and 180°
- ☐ 180°

Question 51

Answer saved

Marked out of 1

Flag question

Allowable closure error for ordinary leveling is typically measured in:

- ☐ Degrees
- ☐ Kilometers
- ☒ Millimeters
- ☐ Meters

Question 52

Answer saved

Marked out of 1

Flag question

Systematic errors in chain measurements include all EXCEPT:

- ☐ Sag
- ☒ Operator mistakes
- ☐ Pulling
- ☐ Temperature variation

Question **43**
Not yet
answered
Marked out of 1
1" Flag question

The rise and fall method requires:

- ☐ No field observations
- ☐ Only a single reading
- ☐ Both rise and fall readings
- ☐ Only benchmark elevation

Question **44**
Not yet
answered
Marked out of 1
1" Flag question

In mapping details, chain stations should ideally be:

- ☐ On uneven ground
- ☐ In isolated areas
- ☐ Close to stationary objects
- ☐ At high elevations

Question **45**
Not yet
answered
Marked out of 1
1" Flag question

What type of leveling is performed using air pressure differences?

- ☐ Photogrammetric leveling
- ☐ GPS leveling
- ☐ Differential leveling
- ☐ Barometric leveling

Question **46**
Not yet
answered
Marked out of 1
1" Flag question

Theodolites are primarily used for:

- ☐ Establishing benchmarks
- ☐ Measuring distances
- ☐ Mapping contours
- ☐ Determining angles

Question **47**
Not yet
answered
Marked out of 1
1" Flag question

What type of error results from a sag in the tape?

- ☐ Blunder
- ☐ Random Error
- ☐ Systematic Error
- ☐ Length Error

Question **48**
Not yet
answered
Marked out of 1
1" Flag question

The equilateral triangle method is used for:

- ☐ Mapping offsets
- ☐ Setting out perpendiculars
- ☐ Measuring distances
- ☐ Calculating angles

Question **49**
Not yet
answered
Marked out of 1
1" Flag question

Precise leveling is primarily used for:

- ☐ Establishing benchmarks
- ☐ Simple topographic mapping
- ☐ Mine surveys
- ☐ Hydrographic surveys

Question 36
Not yet
answered
Marked out of 1
1" Flag question

Which method is commonly used to determine the difference in elevation?

- ☐ Barometric leveling
- ☐ Differential leveling
- ☐ Tape leveling
- ☐ GPS leveling

Question 37
Not yet
answered
Marked out of 1
1" Flag question

Grid method is a technique used for:

- ☐ Leveling
- ☐ Angle measurement
- ☐ Contouring
- ☐ Chain surveying

Question 38
Not yet
answered
Marked out of 1
1" Flag question

Hydrographic maps focus on:

- ☐ Land contours
- ☐ Infrastructure projects
- ☐ Construction sites
- ☐ Shorelines and water depths

Question 39
Not yet
answered
Marked out of 1
1" Flag question

Which of the following is NOT a systematic error in leveling?

- ☐ Temperature
- ☐ Blunders
- ☐ Pulling
- ☐ Sag

Question 40
Not yet
answered
Marked out of 1
1" Flag question

Which equipment is used to measure distances directly?

- ☐ Ranging rods
- ☐ Total Station
- ☐ Compass
- ☐ Tape

Question 41
Not yet
answered
Marked out of 1
1" Flag question

Chain lines should not pass through:

- ☐ Stationary objects
- ☐ Straight paths
- ☐ Obstacles
- ☐ Open fields

Question 42
Not yet
answered
Marked out of 1
1" Flag question

The primary purpose of mapping offsets is to:

- ☐ Set baselines
- ☐ Indicate features close to the chain line
- ☐ Calculate heights
- ☐ Fix benchmarks

Question 29

Not yet answered

Marked out of 1

Flag question

Azimuth angle is the angle between the line of sight and the zenith direction.

Select one:

- ☐ True
- ☒ False

Question 30

Not yet answered

Marked out of 1

Flag question

Azimuth angle is the clockwise angle that the line makes with the North direction.

Select one:

- ☒ True
- ☐ False

Question 31

Not yet answered

Marked out of 4

Flag question

Given that the azimuth of AB (α_{AB}) with respect to the geographic north is 202° , and that the magnetic north is 3° W of the true north. Calculate:

1. The back azimuth of line AB.
2. The true bearing of line AB.
3. The magnetic azimuth of line AB.
4. The back true bearing of line AB.

Question 32

Not yet answered

Marked out of 6

Flag question

The azimuth angle of line AB equals 30° and the azimuth angle of line AC 150° . Knowing the length of AB equals 100 m and the length of AC equals 150 m,

- a. Determine the length of line BC.
- b. Determine the azimuth angle of line BC.

Question 33

Not yet answered

Marked out of 1

Flag question

Plane surveying is typically conducted for areas less than:

- ☐ 50 km²
- ☐ 10 km²
- ☐ 100 km²
- ☐ 500 km²

Question 34

Not yet answered

Marked out of 1

Flag question

Cross sections in leveling are used for:

- ☐ Determining land ownership boundaries
- ☐ Setting out perpendicular angles
- ☐ Recording chain lengths
- ☐ Mapping detailed elevation changes

Question 35

Not yet answered

Marked out of 1

Flag question

What does the azimuth angle reference?

- ☐ South direction
- ☐ East direction
- ☐ Magnetic direction
- ☐ North direction



مسابحة (1)

Question: 22

Not yet
answered

Marked out of 1

Flag question

Vertical angle values are ranged between -90° and 90° .

Select one:

- ☐ True
- ☐ False

Question: 23

Not yet
answered

Marked out of 1

Flag question

The range of the zenith angle belongs to the interval $[-90, 90]$.

Select one:

- ☐ True
- ☐ False

Question: 24

Not yet
answered

Marked out of 1

Flag question

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Select one:

- ☐ True
- ☐ False

Question: 25

Not yet
answered

Marked out of 1

Flag question

As the area to be covered becomes larger, a smaller contour interval is used.

Select one:

- ☐ True
- ☐ False

Question: 26

Not yet
answered

Marked out of 1

Flag question

Magnetic bearing is defined as the acute angle that the line makes with the true meridian.

Select one:

- ☐ True
- ☐ False

Question: 27

Not yet
answered

Marked out of 1

Flag question

Trapezoidal method of determining an area assumes that the boundary of the area is composed of a series of straight lines.

Select one:

- ☐ True
- ☐ False

Question: 28

Not yet
answered

Marked out of 1

Flag question

No. of chain lines should be kept to a minimum as sufficient as possible when choosing chain stations.

Select one:

- ☐ True
- ☐ False

Previous page

الصفحة التالية

Quiz navigation



أحمد محمد مصطفى البرقي

Question 15
Not yet
answered
Marked out of 1
Flag question

the magnetic meridian, usually does not coincide with the true meridian.

Select one:

- ☐ True
☐ False

Question 16
Not yet
answered
Marked out of 1
Flag question

Radiating lines method is most suitable for nearly flat terrain.

Select one:

- ☐ True
☐ False

Question 17
Not yet
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Marked out of 1
Flag question

"Height of Instrument" (HI) method is preferred than "Rise and Fall" method in Leveling.

Select one:

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Question 18
Not yet
answered
Marked out of 1
Flag question

If the rod intercept (r) equals 10 cm and the zenith angle equals 90° then the horizontal distance between the theodolite and the staff equals 10 m.

Select one:

- ☐ True
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Question 19
Not yet
answered
Marked out of 1
Flag question

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Select one:

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Question 20
Not yet
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Select one:

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Question 21
Not yet
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Select one:

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Select one:

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Question 9

Not yet
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Compass is used to determine the magnetic north.

Select one:

- ☐ True
☐ False

Question 10

Not yet
answered

Marked out of 1

Flag question

Ordinary leveling is suitable for the establishment of benchmarks.

Select one:

- ☐ True
☐ False

Question 11

Not yet
answered

Marked out of 1

Flag question

AEA method gives greater accuracy than Prismoidal method.

Select one:

- ☐ True
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Question 12

Not yet
answered

Marked out of 1

Flag question

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Select one:

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Question 13

Not yet
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Marked out of 1

Flag question

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Select one:

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Question 14

Not yet
answered

Marked out of 1

Flag question

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Select one:

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Question 1
Not yet
answered
Marked out of 1
1" Flag question

Planimeter is used to measure the inclination angle of uniformly sloping grounds.

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Question 2
Not yet
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Question 3
Not yet
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Question 4
Not yet
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Question 5
Not yet
answered
Marked out of 1
1" Flag question

In tangential method, the horizontal distance D equals $k r \cos^2 \theta$

Select one:

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Question 6
Not yet
answered
Marked out of 1
1" Flag question

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Question 7
Not yet
answered
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← Reply

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answered
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Question 39
Not yet
answered
Marked out of 1
1" Flag question

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- ☐ Pulling
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Question 40
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answered
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Not yet answered

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Flag question

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Select one:

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Question 30

Not yet answered

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Not yet answered

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Not yet answered

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Question 34

Not yet answered

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Question 35

Not yet answered

Marked out of 1

Flag question

What does the azimuth angle reference?

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- ☐ East direction
- ☐ Magnetic direction
- ☐ North direction



مبساحة (1)

Question: 22

Not yet answered

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Flag question

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Select one:

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Previous page

الصفحة التالية

Quiz navigation



أحمد محمد مصطفى البرقي

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answered
Marked out of 1
Flag question

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Select one:

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Question 16
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Question 21
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Question 8

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Flag question

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Select one:

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Question 9

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answered

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Flag question

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Select one:

- ☐ True
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Question 10

Not yet
answered

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Flag question

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Select one:

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Question 11

Not yet
answered

Marked out of 1

Flag question

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Select one:

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Question 12

Not yet
answered

Marked out of 1

Flag question

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Select one:

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Question 13

Not yet
answered

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Flag question

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Select one:

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Question 14

Not yet
answered

Marked out of 1

Flag question

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Select one:

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☐ False

Question 1
Not yet
answered
Marked out of 1
1" Flag question

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Select one:

- ☐ True
☐ False

Question 2
Not yet
answered
Marked out of 1
1" Flag question

High accurate projects require a large contour interval.

Select one:

- ☐ True
☐ False

Question 3
Not yet
answered
Marked out of 1
1" Flag question

Backsight reading is the last staff reading taken just before moving the level.

Select one:

- ☐ True
☐ False

Question 4
Not yet
answered
Marked out of 1
1" Flag question

Contours spaced closely together represent a flat slope.

Select one:

- ☐ True
☐ False

Question 5
Not yet
answered
Marked out of 1
1" Flag question

In tangential method, the horizontal distance D equals $krcos^2\theta$

Select one:

- ☐ True
☐ False

Question 6
Not yet
answered
Marked out of 1
1" Flag question

The instability of turning points is a source of blunder errors in leveling.

Select one:

- ☐ True
☐ False

Question 7
Not yet
answered
Marked out of 1
1" Flag question

A vertical angle is measured in a vertical plane using the horizontal plane as a reference plane.

Select one:

- ☐ True
☐ False



← Reply



+972 59-248-2719

July 6, 10:04 AM

Not yet
answered

Marked out of 1

Flag question

Select one:

☒ True☐ False

Question 5

Not yet
answered

Marked out of 1

Flag question

AEA method gives greater accuracy than Prismoidal method.

Select one:

☐ True☒ False

2



Reply



Final Exam 20241



(إخفاء)

الوقت المتبقي 01:14:34

Not yet answered

Marked out of 1

سؤال 1

The value of the declination angle varies from one location to another and also changes with .time

:Select one



True



False

أخلى اختياري

Not yet answered

Marked out of 1

سؤال 2

The bubble of the level not perfectly centered is .a source of random errors in leveling

:Select one



True



False



Select one:

☐ True

☒ False

10

A vertical angle is measured in a vertical plane using the horizontal plane as a reference plane.

Select one:

☐ True

☐ False

Previous page



+972 59-248-2719

July 6, 10:08 AM



Question 6

Not yet
answered

Marked out of 1

Flag question

In case of steep ground, use large contour interval.

Select one:

☒ True☐ False

Question 7

Not yet
answered

Marked out of 1

Flag question

The instability of turning points is a source of blunder errors in leveling.

Select one:

☐ True☐ False

Question 8

Not yet

Simpson one-third rule assumes that the irregular boundary is composed of a series of parts



Reply

☐ False

Question **5**

Not yet answered

Marked out of 1

 Flag question

Simpson one-third rule gives greater accuracy than other methods used for finding volumes.

Select one:

☐ True

☐ False

الصفحة التالية

Quiz navigation



نور نائل زياد مرجان



🚩 Flag question

It's advisable that the distance between the level and the staff should exceed 100 m.

Select one:

- ☐ True
- ☐ False

Question **4**

Not yet answered

Marked out of 1

🚩 Flag question

It's advisable that the distance between the Level and the staff should not exceed 100 m.

Select one:

- ☐ True
- ☐ False

Question **5**

Not yet answered

Marked out of 1

🚩 Flag question



Geoid surface is irregular and important for elevation measurements.

Select one:

- ☐ True
- ☐ False

Question **2**

Not yet answered

Marked out of 1

 Flag question

Contours spaced closely together represent a flat slope.

Select one:

- ☐ True
- ☐ False

Question **3**

Not yet answered

Marked out of 1



Reply



The method of "shortest distance" can be used to erect a perpendicular from a point at a chain line.

Select one:

- ☐ True
- ☐ False

Question **7**

Not yet answered

Marked out of 1

 Flag question

Simpson one-third rule assumes that the boundary is composed of a series of straight lines.

Select one:

- ☐ True
- ☐ False

Question **8**

Not yet answered

Marked out of 1



الوقت المتبقي 01:05:23

سؤال 6

:Select one

True

False

أخِلِ اختياري

سؤال 7

:Select one

True

False

أخا اختصاره

14

Geodetic survey is a kind of surveying according to the method of survey.

Select one:

☐ True

☒ False

15

Reduced bearing is the clockwise horizontal angle that the line makes with the north end of the reference meridian.

Select one:

☐ True

☒ False

Previous question

التالي



الوقت المتبقي 01:05:28

سؤال 7

False

أَخْلِي اخْتِيَارِي

سؤال 8

False

أخلاق، اختياري



Final Exam 2024



هندسة معمارية مستوى ا... الخامسة خطأ



(إخفاء)

الوقت المتبقي 01:05:36

.to the method of survey

:Select one



True



False

أخلِ اختياري

Not yet answered

Marked out of 1

سؤال 10

The instability of turning points is a source of

.blunder errors in leveling

:Select one



True



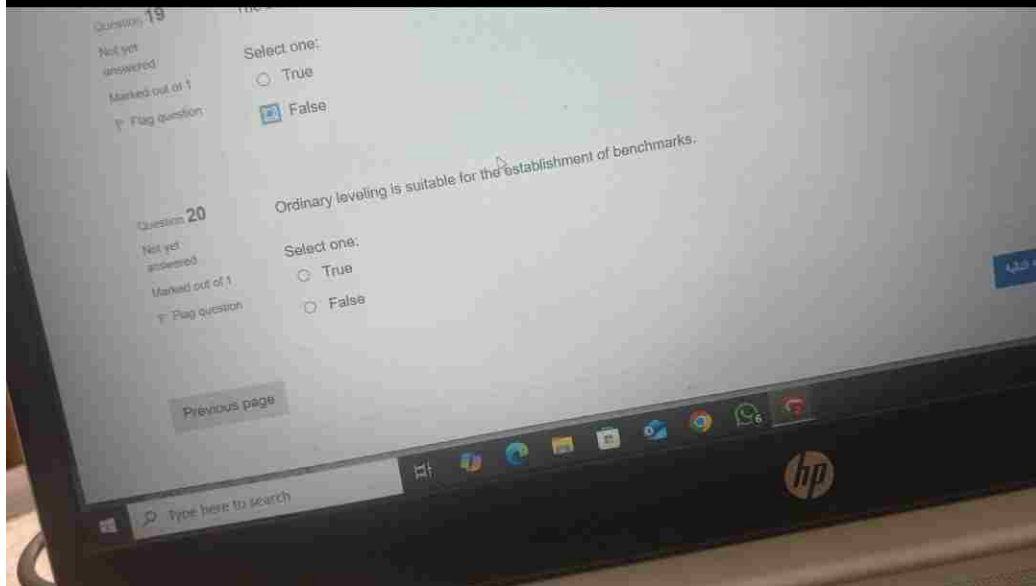
False

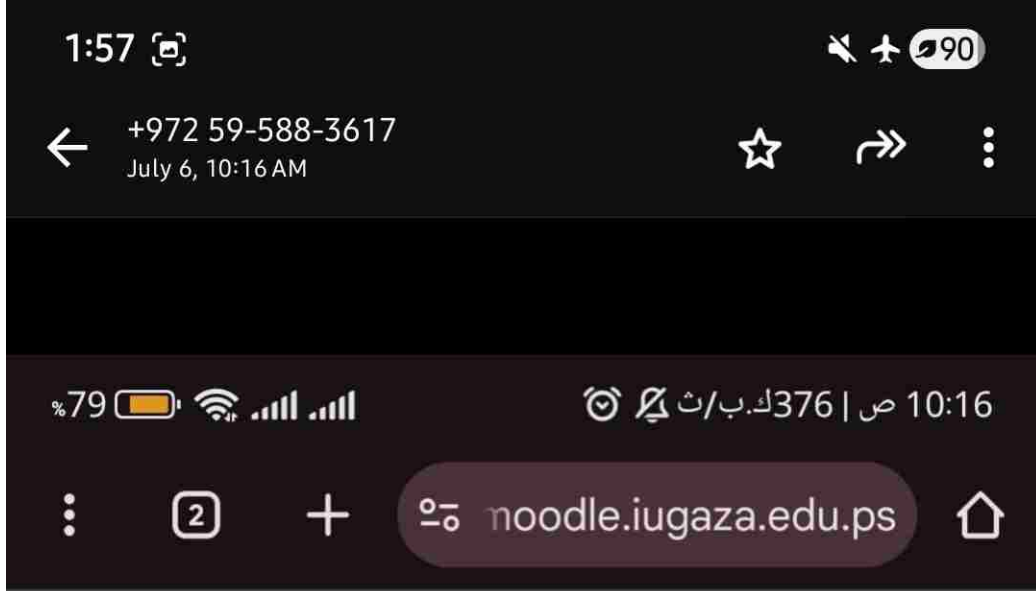
أخلِ اختياري

التالي <

> السابق







مساحة (1)

Question **11**

Not yet answered

Marked out of 1

 Remove flag

Geodetic survey is a kind of surveying according to the method of survey.

Select one:

- ☐ True
- ☒ False

طيب هاي



 Reply



+972 59-516-2023

July 6, 10:16 AM

<https://moodle.augaza.edu>

Pythagoras method can be used to erect a perpendicular on a certain line in a field

Select one:

- ☐ True
- ☐ False

No. of chain lines should be kept to a minimum as sufficient as possible when choosing chain stations

Select one:

- ☐ True
- ☐ False

The range of the zenith angle belongs to the interval $[-90, 90]$

Select one:

- ☐ True
- ☐ False



← Reply

Google Chrome

Unpublished attempt 25276775284354753

The tangential and stadia methods are used to find the volume of cut and fill.

Select one:

- ☐ True
☒ False

Azimuth angle is the angle between the line of sight and the zenith direction.

Select one:

- ☐ True
☐ False

In trapezoidal method, it's essential that the figure under consideration be divided into an even number of sections.

Select one:

- ☐ True
☐ False

Search

Flag question

False

Question 24

Not yet answered

Marked out of 1

Flag question

If the rod intercept (r) equals 10 cm and the zenith angle equals 90° then the horizontal distance between the theodolite and the staff equals 10 m.

Select one:

☐ True

☐ False

Question 25

Not yet answered

Marked out of 1

Flag question

The tangential and stadia methods are used to find the volume of cut and fill.

Select one:

☐ True

☐ False

Previous page

الجامعة العراقية

بنات ايش هداول



← Reply

☐ True

☒ False

A vertical angle is measured in a vertical plane using the horizontal plane as a reference plane.

Select one:

☐ True

☐ False

The bubble of the level not perfectly centered is a source of random errors in leveling.

Select one:

☐ True

☐ False

The method of "shortest distance" can be used to erect a perpendicular from a point at a chain line.

Select one:

☐ True

☐ False



Search





Final Exam 20241



(إخفاء)

الوقت المتبقي 00:56:54

Not yet answered

Marked out of 4

سؤال 31

Given that the azimuth of AB (α_{AB}) with respect to the geographic north is 200° , and that the magnetic north is $3^\circ W$ of the true north.
:Calculate

1. The back azimuth of

line AB

2. The true bearing of

line AB

3. The magnetic azimuth of line AB

The back true

مساحة (1)

Question 31

Answer saved

Marked out of 4

🚩 Flag question

Given that the azimuth of AB (α_{AB}) with respect to the geographic north is 201° , and that the magnetic north is $3^\circ W$ of the true north. Calculate:

1. The back azimuth of line AB.
2. The true bearing of line AB.
3. The magnetic azimuth of line AB.
4. The back true bearing of line AB.

Question 32

Answer saved

Marked out of 6

🚩 Flag question

The azimuth angle of line AB equals 25° and the azimuth angle of line AC 145° . Knowing the length of AB equals 95 m and the length of AC equals 145 m,

- a. Determine the length of line BC.
- b. Determine the azimuth angle of line BC.

Question 33

Not yet answered

Marked out of 1

🚩 Flag question

What is the zenith angle between a line of sight and the zenith direction?

- ☐ 0°
- ☒ Between 0° and 180°
- ☐ 180°
- ☐ 90°

مساحة (1)

Question 31

Answer saved

Marked out of 4

🚩 Flag question

Given that the azimuth of AB (α_{AB}) with respect to the geographic north is 201° , and that the magnetic north is $3^\circ W$ of the true north. Calculate:

1. The back azimuth of line AB.
2. The true bearing of line AB.
3. The magnetic azimuth of line AB.
4. The back true bearing of line AB.

Question 32

Answer saved

Marked out of 6

🚩 Flag question

The azimuth angle of line AB equals 25° and the azimuth angle of line AC 145° . Knowing the length of AB equals 95 m and the length of AC equals 145 m,

- a. Determine the length of line BC.
- b. Determine the azimuth angle of line BC.

Question 33

Not yet answered

Marked out of 1

🚩 Flag question

What is the zenith angle between a line of sight and the zenith direction?

- ☐ 0°
- ☒ Between 0° and 180°
- ☐ 180°
- ☐ 90°



← Reply

The azimuth angle of line AB equals 25° and the azimuth angle of line AC 145° . Knowing the length of AB equals 95 m and the length of AC equals 145 m,

a. Determine the length of line BC.

209.344 $\downarrow$

b. Determine the azimuth angle of line BC.

168.141 $\downarrow$



← Reply

Google Chrome

Unpublished attempt 2/5/2021 (Score: 35/47.5)

The tangential and stadia methods are used to find the volume of cut and fill.

Select one:

☐ True

☒ False

Azimuth angle is the angle between the line of sight and the zenith direction.

Select one:

☐ True

☐ False

In trapezoidal method, it's essential that the figure under consideration be divided into an even number of sections.

Select one:

☐ True

☐ False

هاي خطا؟



← Reply



+972 59-248-2719

July 6, 10:31 AM



2. The true bearing of line AB.

3. The magnetic azimuth of line AB.

4. The back true bearing of line AB.

32. The azimuth angle of line AB equals 35° and the azimuth angle of line AC 155° . Knowing the length of AB equals 105 m and the length of AC equals 155 m.

a. Determine the length of line BC.

b. Determine the azimuth angle of line BC.

33. Allowable closure error for ordinary leveling is typically measured in:

☐ Meters

☐ Millimeters

بنات ایش حلوهاد



Reply

The azimuth angle of line AB equals 35° and the azimuth angle of line AC 155° . Knowing the length of AB equals 105 m and the length of AC equals 155 m,

a. Determine the length of line BC.

226.550

b. Determine the azimuth angle of line BC.

178.664

Allowable closure error for ordinary leveling is typically measured in:

☐ Meters

The process of 'dropping a perpendicular' in setting out right angles can use:

- ☐ Sag correction
- ☒ Optical Prism
- ☐ Pythagoras method
- ☐ Compass

Question 47

Answer saved

Marked out of 1

Flag question

An example of random error in surveying is:

- ☐ Sag in chains
- ☐ Incorrect field notes
- ☒ Observational limitations due to weather
- ☐ Faulty instrument calibration

Question 48

Answer saved

Marked out of 1

Flag question

Allowable closure error for ordinary leveling is typically measured in:

- ☐ Kilometers
- ☒ Millimeters
- ☐ Meters
- ☐ Degrees

Question 49

Answer saved

Marked out of 1

Flag question

Which equipment is used to measure distances directly?

- ☐ Total Station
- ☒ Tape
- ☐ Ranging rods
- ☐ Compass

Question 50

Answer saved



Question

- ☐ To show survey stations
- ☒ To measure inclination angles

Question 47

Not yet answered
Marked out of 1
Flag question

The term 'benchmark' refers to:

- ☐ A starting survey point
- ☐ The highest point in a survey
- ☐ A statistical survey model
- ☐ A reference elevation point

Question 48

Not yet answered
Marked out of 1
Flag question

The primary purpose of mapping offsets is to:

- ☐ Fix benchmarks
- ☐ Set baselines
- ☐ Calculate heights
- ☐ Indicate features close to the chain line

Question 49

Not yet answered

What is the main purpose of contouring?

- ☒ Define geoid surfaces

Search here to search



Question 15

Not yet answered

Marked out of 1

Flag question

Compass is used to determine the magnetic north.

Select one:

- ☒ True
- ☐ False

[Previous page](#)[الصفحة التالية](#)

Quiz navigation



بيسان حمدي شحده زعرب





It's advisable that the distance between the level and the staff should exceed 100 m.

Select one:

- ☐ True
- ☒ False

Question **12**

Not yet answered

Marked out of 1

Flag question

Pythagoras method can be used to erect a perpendicular on a certain line in a field.

Select one:

- ☒ True
- ☐ False

Question **13**

In Simpson one-third method, it's essential that the figure under consideration be divided into an even number of offsets.

Select one:

- ☐ True
- ☒ False

Question **14**

Not yet answered

Marked out of 1

🚩 Flag question

Planimeter is used to measure the inclination angle of uniformly sloping grounds.

Select one:

- ☐ True
- ☒ False

Question **15**

Not yet answered

Marked out of 1

🚩 Flag question

- ☐ In isolated areas
- ☐ At high elevations
- ☐ On uneven ground

Question 42

Answer saved

Marked out of 1

Flag question

What is the term for a relatively permanent point of known elevation?

- ☐ TP
- ☐ HI
- ☒ Benchmark
- ☐ Datum

Question 43

Answer saved

Marked out of 1

Flag question

Which leveling method uses triangulation principles?

- ☐ Tape leveling
- ☒ Trigonometric leveling
- ☐ Differential leveling
- ☐ Barometric leveling

Question 44

Answer saved

Marked out of 1

Flag question

What is the corrected formula for Back Azimuth?

- ☐ Azimuth $\pm 270^\circ$
- ☐ Azimuth $\pm 360^\circ$
- ☐ Azimuth $\pm 90^\circ$
- ☒ Azimuth $\pm 180^\circ$

Question 45

Answer saved

Marked out of 1

Flag question



The rise and fall method requires:



Reply

Contours spaced closely together represent a flat slope.

Select one:

- ☐ True
- ☐ False

Question **7**

Not yet answered

Marked out of 1

🚩 Flag question

In Simpson one-third method, it's essential that the figure under consideration be divided into an even number of offsets.

Select one:

- ☐ True
- ☐ False

Question **8**

Not yet answered

Marked out of 1

🚩 Flag question

The range of the zenith angle belongs to the interval $[-90, 90]$.

Select one:

Question 42

Not yet
answered

Marked out of 1

 Remove flag

Which surface is better approximated by an oblate ellipsoid?

- ☐ Geoid Surface
- ☒ Earth's Surface
- ☐ Ellipsoid Surface
- ☐ Natural Surface

Question 43

Not yet

Allowable closure error for ordinary leveling is typically measured in:

هاي شوو ؟؟



 Reply

Azimuth angle is the angle between the line of sight and the zenith direction.

Select one:

☐ True.

☒ False

بنات هادا هيڪ صح

لانو مكرر عندي



← Reply

Question 20

Not yet answered

Marked out of 1

Flag question

If the rod intercept (r) equals 10 cm and the zenith angle equals 90° then the horizontal distance between the theodolite and the staff equals 10 m.

Select one:

- ☒ True
- ☐ False

[Previous page](#)[الصفحة التالية](#)

Quiz navigation



بيسان حمدي شحده زعرب





Marked out of 1

Flag question

The sag value of extended tape on air is inversely proportional to the used pulling force.

Select one:

- ☒ True
- ☐ False

Question **19**

Not yet answered

Marked out of 1

Flag question

the magnetic declination is the angle between the azimuth angle and the zenith angle.

Select one:

- ☐ True
- ☒ False

The instability of turning points is a source of blunder errors in leveling.

Select one:

- ☒ True
- ☐ False

Question **17**

Not yet answered

Marked out of 1

🚩 Flag question

Azimuth angle is the angle between the line of sight and the zenith direction.

Select one:

- ☐ True
- ☒ False

Question **18**

Not yet answered

Marked out of 1

🚩 Flag question

Question **51**

Answer saved

Marked out of 1

 Remove flag

Which instrument is typically used for measuring both horizontal and vertical angles?

- ☐ Compass
- ☐ GPS
- ☒ Theodolite
- ☐ Total Station



Question **47**

Answer saved

Marked out of 1

 Remove flag

Plane surveying is typically conducted for areas less than:

- ☐ 500 km²
- ☐ 50 km²
- ☒ 100 km²
- ☐ 10 km²

Question **28**

Answer saved

Marked out of 1

 Remove flag

Ordinary leveling is suitable for the establishment of benchmarks.

Select one:

- ☐ True
- ☒ False

Question **24**

Answer saved

Marked out of 1

 Remove flag

Tacheometric methods is primary used to measure the height of a tower building.

Select one:

- ☒ True
- ☐ False

Answer saved

Marked out of 1

 Remove flag

Magnetic bearing is defined as the acute angle that the line makes with the magnetic meridian.

Select one:

- ☐ True
- ☒ False

Question **11**

Answer saved

Marked out of 1

 Remove flag

Geodetic survey is a kind of surveying according to the method of survey.

Select one:

- ☐ True
- ☒ False

Question **6**

Answer saved

Marked out of 1

 Remove flag

The method of "shortest distance" can be used to erect a perpendicular from a point at a chain line.

Select one:

- ☐ True
- ☒ False



 Reply

Question 43

Not yet
answered

Marked out of 1

Flag question

Allowable closure error for ordinary leveling is typically measured in:

- ☒ Millimeters
- ☐ Kilometers
- ☐ Degrees
- ☐ Meters

Question 44

Not yet
answered

Marked out of 1

Flag question

Which type of map combines aerial photography with survey data?

- ☐ Planimetric map
- ☐ Cadastral map
- ☐ Hydrographic map
- ☒ Orthophoto map

If the rod intercept (r) equals 10 cm and the zenith angle equals 90° then the horizontal distance between the theodolite and the staff equals 10 m.

Select one:

- ☒ True
- ☐ False

The instability of turning points is a source of blunder errors in leveling.

Select one:

- ☐ True
- ☐ False



Question 31

Not yet answered

Marked out of 4

Flag question

Given that the azimuth of AB (α_{AB}) with respect to the geographic north is 200° , and that the magnetic north is $3^\circ W$ of the true north. Calculate:

1. The back azimuth of line

AB.

2. The true bearing of line

AB.

3. The magnetic azimuth of line AB.

4. The back true bearing of line AB.

Question 32

Not yet answered

Marked out of 6

Flag question

Declination angle is always constant and has no effect regarding location and time.

Select one:

- ☐ True
- ☒ False

Question 2

Answer saved

Marked out of 1

🚩 Flag question

The instability of turning points is a source of blunder errors in leveling.

Select one:

- ☒ True
- ☐ False

Question 3

Answer saved

Marked out of 1

🚩 Flag question

Reduced bearing is the clockwise horizontal angle that the line makes with the north end of the reference meridian.

Select one:

- ☐ True
- ☒ False

Question 4

Answer saved

Marked out of 1

🚩 Flag question

The sag value of extended tape on air is inversely proportional to the used pulling force.

Select one:

- ☒ True
- ☐ False

Question 5

Answer saved

Marked out of 1



← Reply

Question 31
Answer saved
Marked out of 4
Flag question

Given that the azimuth of AB (α_{AB}) with respect to the geographic north is 200° , and that the magnetic north is $3^\circ W$ of the true north. Calculate:

1. The back azimuth of line AB.
2. The true bearing of line AB.
3. The magnetic azimuth of line AB.
4. The back true bearing of line AB.

Question 32
Answer saved
Marked out of 11
Flag question

The azimuth angle of line AB equals 35° and the azimuth angle of line AC 155° . Knowing the length of AB equals 105 m and the length of AC equals 155 m.

- a. Determine the length of line BC.
- b. Determine the azimuth angle of line BC.

Quiz navigation

حل الأسئلة

1	2	3
10	11	12
19	20	21
28	29	30
37	38	39
46	47	48

Finders attempt

Time left 0:17:05

Tools: Home, Back, Forward, Search, Print, Full Screen, Help



28°C

Question 31

Attempt 1 of 4
Flag question

Given that the azimuth of AB (α_{AB}) with respect to the geographic north is 202° , and that the magnetic north is $3^\circ W$ of the true north. Calculate:

1. The back azimuth of line AB.
2. The true bearing of line AB.
3. The magnetic azimuth of line AB.
4. The back true bearing of line AB.

Question 32

Attempt 1 of 6
Flag question

The azimuth angle of line AB equals 25° and the azimuth angle of line AC 145° . Knowing the length of AB equals 95 m and the length of AC equals 145 m,

- a. Determine the length of line BC.

Windows تنشيط

انتقل إلى الإعدادات لتنشيط Windows

- b. Determine the azimuth angle of line BC.

Given that the azimuth of AB (α_{AB}) with respect to the geographic north is 200° , and that the magnetic north is $3^\circ W$ of the true north. Calculate:

1. The back azimuth of line AB.
2. The true bearing of line AB.
3. The magnetic azimuth of line AB.
4. The back true bearing of line AB.

The azimuth angle of line AB equals 35° and the azimuth angle of line AC 155° . Knowing the length of AB equals 105 m and the length of AC equals 155 m.

- a. Determine the length of line BC.

Quiz

التميز

1	2
10	11
19	20
28	29
37	38
46	47

Finish

🚩 Flag question

Which leveling method uses triangulation principles?

- ☐ Tape leveling
- ☒ Trigonometric leveling
- ☐ Differential leveling
- ☐ Barometric leveling



Final Exam 20241



(إخفاء)

الوقت المتبقي 00:56:54

Not yet answered

Marked out of 4

سؤال 31

Given that the azimuth of AB (α_{AB}) with respect to the geographic north is 200° , and that the magnetic north is $3^\circ W$ of the true north.
:Calculate

1. The back azimuth of

line AB

2. The true bearing of

line AB

3. The magnetic azimuth of line AB

The back true

(7) المساحة

Question 31

Not yet answered

Marked out of 4

Remove flag

Given that the azimuth of AB (α_{AB}) with respect to the geographic north is 20° , and that the magnetic north is 3° W of the true north. Calculate:

1. The back azimuth of line AB.
2. The true bearing of line AB.
3. The magnetic azimuth of line AB.
4. The back true bearing of line AB.

Question 32

Not yet answered

Marked out of 8

Remove flag

The azimuth angle of line AB equals 30° and the azimuth angle of line AC 150° . Knowing the length of AB equals 100 m and the length of AC equals 150 m.

- a. Determine the length of line BC.
- b. Determine the azimuth angle of line BC.

Question 33

The process of 'dropping a perpendicular' in setting out right angles can use



← Reply

Question **47**

Answer saved

Marked out of 1

 Remove flag

Plane surveying is typically conducted for areas less than:

- ☐ 500 km²
- ☐ 50 km²
- ☒ 100 km²
- ☐ 10 km²

Which of the following is a correction for sag in chaining?

- ☒ Apply a sag correction formula
- ☐ Adjust for temperature
- ☐ Shorten the tape
- ☐ Use a level



← Reply

Question **19**

Answer saved

Marked out of 1

 Remove flag

Magnetic bearing is defined as the acute angle that the line makes with the magnetic meridian.

Select one:

- ☐ True
- ☒ False

Question 31

Not yet answered

Marked out of 4

Flag question

Given that the azimuth of AB (α_{AB}) with respect to the geographic north is 200° , and that the magnetic north is $3^\circ W$ of the true north. Calculate:

1. The back azimuth of line AB.

2. The true bearing of line AB.

3. The magnetic azimuth of line AB.

4. The back true bearing of line AB.

Question 32

Not yet answered

Answer saved

Marked out of 4

🚩 Flag question

Given that the azimuth of AB (α_{AB}) with respect to the geographic north is 201° , and that the magnetic north is 3° W of the true north. Calculate:

1. The back azimuth of line AB.
2. The true bearing of line AB.
3. The magnetic azimuth of line AB.
4. The back true bearing of line AB.

Question 32

Answer saved

Marked out of 6

🚩 Flag question

The azimuth angle of line AB equals 25° and the azimuth angle of line AC 145° . Knowing the length of AB equals 95 m and the length of AC equals 145 m,

- a. Determine the length of line BC.
- b. Determine the azimuth angle of line BC.

Question 33

Answer saved

Marked out of 1

🚩 Flag question

What is the zenith angle between a line of sight and the zenith direction?

- ☐ 0°
- ☒ Between 0° and 180°
- ☐ 180°
- ☐ 90°

Question 34

Answer saved

Marked out of 1



← Reply



Flag question

The azimuth angle of line AB equals 30° and the azimuth angle of line AC 150° . Knowing the length of AB equals 100 m and the length of AC equals 150 m,

a. Determine the length of line BC.

b. Determine the azimuth angle of line BC.

Question 33

Not yet answered

Marked out of 1

Flag question

What is the corrected formula for Back Azimuth?

The method of "shortest distance" can be used to erect a perpendicular from a point at a chain line.

Select one:

- ☐ True
- ☐ False

Question **2**

Not yet answered

Marked out of 1

🚩 Flag question

In tangential method, the horizontal distance D equals $kr\cos^2\theta$

Select one:

- ☐ True
- ☐ False

Question **3**

Not yet answered

Marked out of 1

🚩 Flag question

A vertical angle is measured in a vertical plane using the horizontal plane as a reference plane.

Select one:

Question **28**

Answer saved

Marked out of 1

 Remove flag

Ordinary leveling is suitable for the establishment of benchmarks.

Select one:

☐ True

☒ False



 Reply



Flag question

The azimuth angle of line AB equals 35° and the azimuth angle of line AC 155° . Knowing the length of AB equals 105 m and the length of AC equals 155 m,

a. Determine the length of line BC.

226.550

b. Determine the azimuth angle of line BC.

178.664

Question 33

Not yet answered

Marked out of 1

Flag question

بنات هيك صح؟



Reply

20



What is the corrected formula for Back Azimuth?

- ☐ Azimuth $\pm 270^\circ$
- ☐ Azimuth $\pm 360^\circ$
- ☐ Azimuth $\pm 90^\circ$
- ☒ Azimuth $\pm 180^\circ$

Question **34**

Not yet answered

Marked out of 1

Flag question

The primary purpose of mapping offsets is to:

- ☐ Fix benchmarks
- ☐ Calculate heights
- ☒ Indicate features close to the chain line
- ☐ Set baselines



Question 35

Not yet answered

Marked out of 1

Flag question

Precise leveling is primarily used for:

- ☒ Establishing benchmarks
- ☐ Simple topographic mapping
- ☐ Mine surveys
- ☐ Hydrographic surveys

[Previous page](#)[الصفحة التالية](#)

Quiz navigation



بيسان حمدي شحده

[← Reply](#)

The process of 'dropping a perpendicular' in setting out right angles can use:

- ☐ Optical Prism
- ☐ Pythagoras method
- ☐ Sag correction
- ☐ Compass

Which value is accepted for the Earth's equatorial radius?

- ☐ 6378 km
- ☐ 6400 km
- ☐ 6357 km
- ☐ 6371 km

شو؟



← Reply



What type of leveling is performed using air pressure differences?

- ☒ Barometric leveling
- ☐ Differential leveling
- ☐ Photogrammetric leveling
- ☐ GPS leveling

Question **37**

Not yet answered

Marked out of 1

Flag question

What is the main purpose of contouring?

- ☐ Record land ownership
- ☐ Establish vertical benchmarks
- ☐ Define geoid surfaces
- ☒ Indicate slope steepness and elevation



Flag question

What does the azimuth angle reference?

- ☐ East direction
- ☒ North direction
- ☐ South direction
- ☐ Magnetic direction

Question **39**

Not yet answered

Marked out of 1

Flag question

Grid method is a technique used for:

- ☐ Chain surveying
- ☐ Leveling
- ☐ Angle measurement
- ☒ Contouring



☒ Contouring

Question **40**

Not yet answered

Marked out of 1

Flag question

Cross sections in leveling are used for:

- ☐ Determining land ownership boundaries
- ☐ Recording chain lengths
- ☐ Setting out perpendicular angles
- ☒ Mapping detailed elevation changes

Previous page

الصفحة التالية

Quiz navigation



Magnetic bearing is defined as the acute angle that the line makes with the magnetic meridian.

Select one:

- ☐ True
- ☐ False

Given that the azimuth of AB (α_{AB}) with respect to the geographic north is 202° , and that the magnetic north is $3^\circ W$ of the true north. Calculate:

1. The back azimuth of line AB.
2. The true bearing of line AB.
3. The magnetic azimuth of line AB.
4. The back true bearing of line AB.

The azimuth angle of line AB equals 30° and the azimuth angle of line AC equals 150° . Knowing the length of AB equals 100 m and the length of AC equals 150 m,

- a. Determine the length of line BC.

هيك الحل صح



← Reply



Question 31

Not yet answered

Marked out of 4

Flag question

Given that the azimuth of AB (α_{AB}) with respect to the geographic north is 201° , and that the magnetic north is $3^\circ W$ of the true north. Calculate:

1. The back azimuth of line

AB.

2. The true bearing of line

AB.

3. The magnetic azimuth of line AB.

4. The back true bearing of line AB.

Question 32

Not yet answered

Marked out of 6



Question **32**

Not yet answered

Marked out of 6

Flag question

The azimuth angle of line AB equals 30° and the azimuth angle of line AC 150° . Knowing the length of AB equals 100 m and the length of AC equals 150 m,

a. Determine the length of line

BC.

b. Determine the azimuth angle of line BC.

Question **33**

Not yet answered

Marked out of 1

Flag question

What does the azimuth angle reference?

Question 52

Answer saved

Marked out of 1

Flag question

Cross sections in leveling are used for:

- ☒ Mapping detailed elevation changes
- ☐ Setting out perpendicular angles
- ☐ Recording chain lengths
- ☐ Determining land ownership boundaries

[Previous page](#)



The rise and fall method requires:

- ☐ No field observations
- ☐ Only a single reading
- ☐ Only benchmark elevation
- ☒ Both rise and fall readings

Question **52**

Not yet answered

Marked out of 1

Flag question

An example of random error in surveying is:

- ☐ Faulty instrument calibration
- ☐ Incorrect field notes
- ☒ Observational limitations due to weather
- ☐ Sag in chains

Given that the azimuth of AB (α_{AB}) with respect to the geographic north is 202° , and that the magnetic north is $3^\circ W$ of the true north. Calculate:

1. The back azimuth of line AB.
2. The true bearing of line AB.
3. The magnetic azimuth of line AB.
4. The back true bearing of line AB.

The azimuth angle of line AB equals 25° and the azimuth angle of line AC 145° . Knowing the length of AB equals 95 m and the length of AC equals 145 m,

- a. Determine the length of line BC.
- b. Determine the azimuth angle of line BC.

تنشيط
انتقل إلى الإيماء

حد يفيدني صح ولا غلط



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