

Q : Which instrument is not used to set right angles?

[BECIL NMRC JE CIVIL 15.09.2019]

A : Prismatic compass B : Plane table
C : Cross staff D : Theodolite

Q : Gunter's chain is m long

[SSC JE 23-09-2019 (evening)]

A : 23.12 B : 21.12
C : 22.12 D : 20.12

Q : Offsets are of two types_____

[SSC JE 23-09-2019 (evening)]

A : Horizontal and vertical
B : Horizontal and curved oblique
C : Perpendicular and oblique
D : Straight and oblique.

Q : What is the common scale adopted in the form of a representative fraction for the forest map?

[SSC JE 23-09-2019 (morning)]

A : 1/10000 B : 1/100
C : 1/25000 D : 1/1000

Q :is 33 feet long and is mostly used for cadastral surveying

[SSC JE 23-09-2019 (morning)]

A : Band chain B : Gunter's chain
C : Revenue chain D : Metric chain

Q : The size of offset rod is

[Hariyana SSE Shift-II 2018]

A : 3m B : 4m
C : 5m D : 2m

Q : The process of establishing intermediate points of straight line between two end points is-

[Hariyana SSE Shift-II 10.04.2018]

A : Surveying

B : Chaining

C : Ranging

D : Leveling

Q : The strips of ranging rod are....in colour.

[Hariyana SSE Shift-II 10.4.2018]

A : Red and Blue

B : Blue and White

C : White and Red

D : White and Green

Q : The size of peg is

[Hariyana SSE Shift-II 10.4.2018]

A : 2.5 cm square and 15 cm long

B : 3.5 cm square and 10 cm long

C : 4.5 cm square and 15 cm

D : 4 cm square and 10 cm long

Q : The true length of line is known to be 300m. When this line is again measured with a new 30 correct length is found to be 300.90 m. The correct length of the tape is

[BSPHCL JE CIVIL 29.01.2019 (Batch-1)]

A : 28.90 m

B : 29.91m

C : 30.19 m

D : 28.30 m

Q : Generally, in chain triangulation , well conditioned triangles are used for surveying. A triangle is said to be well conditioned when no angle in it is

[BSPHCL JE CIVIL 29.01.2019 (Batch-2)]

A : Long than 30° or more than 120°

B : Less than 10° or more than 110°

C : Less than 20° or more than 100°

D : Less than 155° or more than 90°

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Q : Which of the following statement is correct for estimating the corrected area from a map of shrunk factor 'F'?

[SSC JE 22.1.2018(Evening Shift)]

A : It is directly proportional to F

B : It is directly proportional to square of F

C : It is inversely proportional to F

D : It is inversely proportional to square of F

Q : In a closed traverse pentagon the sum of interior angles is equal to_____

[M.P. Sub Engg. 4.sep.2018.9.00 am]

A : $6 \times 90^\circ$

B : $4 \times 90^\circ$

C : $6 \times 180^\circ$

D : $5 \times 90^\circ$

Q : If W is the weight of the chain, L is the span and P is the tension or pull, then the sag correction of chain line will be:

[M.P. Sub Engg. 2.sep.2018.9.00 pm (D.M.R.C. 2016/, MP Sub 2016), (ESE 2012)]

A : $\frac{W^2 L^2}{24P}$

B : $\frac{W^2 L}{24P^2}$

C : $\frac{W^2 L}{24P}$

D : $\frac{W^2 L^2}{24P^2}$

Q : For indirect ranging, number of ranging rods required is.....

[MP Draftman JE 08 july 2017 AM]

A : 3

B : 4

C : 2

D : 1

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Q : If the shrinkage factor of map is $\frac{24}{25}$ and R.F. is $\frac{1}{240}$, then correct R.F. for map will be-

[UPRVUNL JE 09-11-2016]

A : $\frac{1}{600}$

B : $\frac{1}{2500}$

C : $\frac{1}{2400}$

D : $\frac{1}{60000}$

Q : Which of the following statement in respect of a map A having scale 1:1000 and another map B having scale 1:5000 is true ?

[SSC JE MORNING 2014]

A : Map A is large scale map compared map B

B : Map B is a large scale map compared map A

C : Map B is more detailed map compared to map A

D : None of the above

Q : Check lines(or proof lines)in chain surveying are essentially required.....

[SSC JE March 2017 Evening shift]

A : To plot the chain lines

B : To plot the offsets

C : To indicate the accuracy of the survey work

D : To indicate the accuracy the out-turn

Q : If a chain is found too short on testing, it can be adjusted by.....

[SSC JE March 2017 Evening shift]

A : Straightening the links

B : Inserting additional circular rings

C : Flattening the circular rings

D : Any of the options.

Q : Invar tapes are made of an ally of.....

[SSC JE 1 March 2017 evening shift/Uttarakhand JE 2016/Chhattisgarh professional exam. Board 2016]

- A : Nickle and steel
- B : Copper and steel
- C : Tin and steel
- D : Aluminum and steel

Q : For which of the following, will the chain surveying be well adopted one?

[SSC JE March 3017 Morning]

- A : Large areas with difficult details
- B : Small surveys open ground
- C : Small surveys with crowded details
- D : Large areas with simple details

Q : Positive error is caused if _____

[SSC JE 1 March 2017 Morning shift]

- A : Length of chain is shorter than the standard
- B : Slope and sag correction is not applied
- C : Measurements are made along the incorrectly aligned line
- D : All options are correct

Q : Every 20 m chain should be accurate to within _____

[SSC JE 1 March 2017 Morning shift, Raj. SSB JE 03-07-2016]

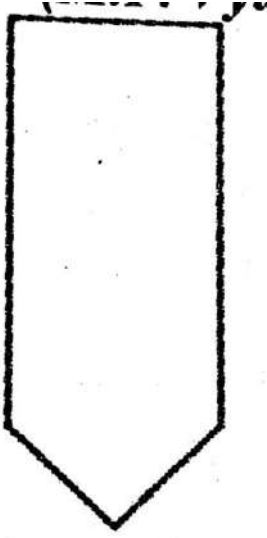
- A : $\pm 2\text{mm}$
- B : $\pm 5\text{mm}$
- C : $\pm 8\text{mm}$
- D : None of these

Q : A substance bar can be used to determine:

[SSC JE 1 March 2017 Morning shift]

- A : Horizontal angles
- B : Horizontal distances
- C : Vertical angles
- D : Horizontal and vertical distances

Q : Which type of surveying equipment is shown in the figure:
[M.P. Vyapam Draftman 2016]



- A : Ranging rod**
- B : Cross staff**
- C : Peg**
- D : Plumb bob**

Q : The length of the chain is measured from:

[SSC JE 1 27-01-2018 (Morning shift)]

- A : Center of one handle to center of other handle**
- B : Outside of one handle to outside of other handle**
- C : Outside of one handle to inside of other handle**
- D : Inside of one handle to inside of other handle.**

Q : Which one of the following is not used in setting perpendicular?

[ESIC JE 2016]

- A : Line ranger**
- B : Cross staff**
- C : Optical square**
- D : Prism square**

Q : The perpendicular or the oblique distances of the objected from the survey line is called as

[UP Jal Nigam JE 2013, M.P. SUB Engg.2016]

- A : Tie line**
- B : Base line**
- C : Check line**
- D : Offsets**

Q : The longest chain line passing through the center of the survey area is known as

[UPSSSC JE 2015]

- A : Base line**
- B : Tie line**

C : Check line

D : None of above.

Q : A building is an obstacle to:

[SSC JE 2011]

A : Both chaining and ranging

B : Chaining but not ranging

C : Ranging but not changing

D : Neither chaining nor ranging.

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