

TELANGANA STATE PUBLIC SERVICE COMMISSION

Notations :

- 1.Options shown in green color and with ✓ icon are correct.
- 2.Options shown in red color and with ✗ icon are incorrect.

Question Paper Name :	134 Paper Code 20th May 2022 Shift 1
Subject Name :	134 Paper Code
Duration :	180
Total Marks :	100
Display Marks:	No
Calculator :	Normal
Magnifying Glass Required? :	No
Ruler Required? :	No
Eraser Required? :	No
Scratch Pad Required? :	No
Rough Sketch/Notepad Required? :	No
Protractor Required? :	No
Show Watermark on Console? :	Yes
Highlighter :	No
Auto Save on Console?	Yes
Change Font Color :	No
Change Background Color :	No
Change Theme :	No
Help Button :	No
Show Reports :	No
Show Progress Bar :	No

134 Paper Code

Group Number :	1
Group Id :	881891463
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	100
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No
Revisit allowed for group Instructions? :	No

Maximum Instruction Time : 0
Minimum Instruction Time : 0
Group Time In : Minutes
Navigate To Group Summary From Last Question? : No
Disable Submit Button During Assessment? : No

134 Paper Code

Section Id : 881891463
Section Number : 1
Section type : Offline
Mandatory or Optional : Mandatory
Number of Questions : 1
Number of Questions to be attempted : 1
Section Marks : 100
Display Number Panel : Yes
Group All Questions : No
Enable Mark as Answered Mark for Review and Clear Response : Yes
Maximum Instruction Time : 0
Section Instructions :
English :
Absolute
Sub-Section Number : 1
Sub-Section Id : 881891463

Question Number : 1 Question Id : 88189138578 Question Type : SUBJECTIVE Consider As Subjective : Yes
Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 100

Total No. of Questions: 7

May - 2022
**Survey and Settlement Inspector's Test, - Part-II Town Survey,
 Theodolite Survey, Trigonometry, Traverse
 Computation & Traverse Plotting
 (Without Books)**

Time: 3 Hours

Marks: 100

- Note: 1) Candidate should attempt SIX Questions subject to alternatives (or) limitations, if any mentioned herein, or in each question. If more are answered, the last extra answers will be ignored.**
- 2) Parts of the same question must be answered together and must not be interposed by answer(s) to other question(s).**
- 3) Authorities should be quoted in support of the answers wherever necessary.**
- 4) Question No. 1 is compulsory.**
- 5) Candidate should answer the paper in English only, except language Test or Surveyors Test, which should be answered in the language chosen only. In case of non-compliance, such Answer Script shall be invalidated.**

- 1) Discuss the survey methodologies of urban land and why do we need survey for urban properties. **[20]**
- 2) a) How is a closed traverse done with a total station?
 b) What are the applications of Total station? **[2x8=16]**
- 3) Discuss the parameters used in Traverse computation? What is traverse adjustment? **[16]**
- 4) a) What are the six basic Trigonometric functions discuss with formulas?
 b) How do you find the missing side of a triangle? **[2x8=16]**
- 5) a) The upper part of a tree, broken over by the wind, makes an angle of 45° with the ground and the distance from the root to the point where the top of the tree touches the ground is 15 metre. What was the height of the tree before it was broken?

b) Is circle a polygon? How many degrees is a circle explain?

[2x8=16]

6) How is an angle of elevation formed? Does angle of elevation equal angle of depression? Discuss with formulas and examples. **[16]**

7) What is Job Chart of city surveyor? How to check land details with survey number in Hyderabad? **[16]**

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