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 :	135 Paper Code 20th May 2022 Shift 1
Subject Name :	135 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

135 Paper Code

Group Number :	1
Group Id :	881891464
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

135 Paper Code

Section Id :	881891464
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 :	881891464

Question Number : 1 Question Id : 88189138579 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

Computation Test, Part-II

Computation of Azimuth, Rectangular & Spherical Co-ordinates Convergency of Meridian & Hypotenuse Distances (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) Describe the method to find the true bearing of a line by observation to the SUN? [20]

2) a) Explain why computation for convergency of meridian should be made?
b) How is the accuracy of a closed traverse checked? [2 x 8 = 16]

3) a) Why is Azimuth observed during traverse survey work, for every forty (or) fifty stations?
b) Explain with a neat sketch, now G.T. connection is made? [2 x 8 = 16]

4) What is meant by
a) Meridians
b) Perpendiculars
c) Refraction
d) Convergency [4 ×4 = 16]

5) a) State the rules regarding the adjustment of area.
b) Explain the difference between plotting by traverse and plotting by protractor? [2 x 8 = 16]

6) Write short notes on the following
a) Spherical co-ordinates
b) Plotting lines
c) Declination
d) Polar distance [4 ×4 = 16]

7) a) Find out the Scale of map corresponding to the RF $\frac{1}{1584}$

b) State the R.F. for the scale 1inch to the mile? [2 × 8 = 16]

? ? ?