

## Winmeen Tnpsc Group 1 & 2 Study Materials

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Tnpsc Group 2 Complete Syllabus : <https://goo.gl/fNSnMN>

Tnpsc Group 2 Previous Questions : <https://goo.gl/PYqsd7>

Tnpsc Group 2 Model Questions : <https://goo.gl/xQvyTk>

### 4. Measurements - 2

1. What is Le Systeme International d` Unites?

SI system of units

2. When was decision on uniform system of measurement introduced?

1971

3. What is the uniform system of measurement called as?

SI system units

4. How many fundamental quantities are there?

Seven

5. How is temperature measured?

It is measure of degree of hotness or coldness of a body. It has different scales like Celsius, Fahrenheit etc

6. What is Kelvin Scale?

It is the primary unit of temperature in SI system

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7. How can we avoid negative values in Celsius scale?

By using Kelvin Scale

8. What is the number of divisions between upper and lower fixed points?

In Celsius scale it is 100 and in Fahrenheit Scale is 180

9. What is ampere?

SI unit for electric current is ampere

10. What is mole?

SI unit for amount of substance is mole

11. What is candela?

It is the SI unit for luminous intensity

12. What are the units of lengths?

- 10 millimetre (mm) = 1 centimetre (cm)
- 10 centimetres = 1 decimetre (dm) = 100 millimetres
- 10 decimetres = 1 metre (m) = 1000 millimetres
- 10 metres = 1 decametre (dam)
- 10 decametres = 1 hectometre (hm) = 100 metre

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- 10 hectometres = 1 kilometre (km) = 1000 metres

13. What is units of area?

- 100 square millimeters (mm<sup>2</sup>) = 1 square centimeter (cm<sup>2</sup>)
- 100 square centimeters = 1 square decimeter (dm<sup>2</sup>)
- 100 square decimeters = 1 square metre (m<sup>2</sup>)
- 100 square metres = 1 square decameter (dam<sup>2</sup>) = 1 are
- 100 square decameters = 1 square hectometer (hm<sup>2</sup>) = 1 hectare (ha)
- 100 square hectometers = 1 square kilometer (km<sup>2</sup>)

14. What are the units of liquid volume?

- 10 millilitres = 1 centilitre
- 10 centilitres = 1 decilitre (dl) = 100 millilitres
- 10 decilitres = 1 litre 1 = 1000 millilitres
- 10 litres = 1 decalitre (dal)
- 10 decalitres = 1 hectolitre (hl) = 100 litres
- 10 hectolitres = 1 kilolitre (kl) = 1000 litres

15. What is the units of mass?

- 10 milligrams = 1 centigram
- 10 centigrams = 1 decigram = 100 milligrams

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- 10 decigram = 1 gram = 1000 milligrams
- 10 grams = 1 decagram
- 10 decagrams = 1 hectogram = 100 grams
- 10 hectograms = 1 kilograms = 1000 grams
- 1000 kilograms = 1 megagram or 1 metric ton

