Prefixes and Conversion of Base Units

Part Two

Part I : True/False Questions

1. The prefix "kilo-" means 10^2

2. One metre is equal to 100 centimetres.

3. One kilometre is equal to 100 metres.

4. One gram is equal to 100 milligrams.

5. One tonne is equal to 1000 kilograms.

6. The SI unit of mass is kilogram.

7. The SI unit of length is centimetre.

8. A balance is used to measure mass.

9. A thermometer is used to measure temperature.

10. The SI unit of temperature is degree Celsius (°C).

11. One hour is equal to 3600 seconds.

12. A stopwatch is used to measure length.

13. Accuracy means how close repeated measurements are to each other.

14. A measurement can be precise but not accurate.

15. In measurement, both number and unit are required to express a physical quantity.

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Part II : Match the Following questions. Put the correct number in the space provided

Column A (Concept/Quantity/Prefix)	Column B (Unit/Value/Instrument)
1. Kilo-	……. a) 10^{-2}
2. Centi-	…….. b) 10^{-3}
3. Milli-	…….. c) 10^{3}
4. 1 tonne	…….. d) 100 kg
5. 1 quintal	…….. e) 1000 kg
6. Length	…… f) Metre (m)
7. Mass	…… g) Balance
8. Time	……. h) Second (s)
9. Temperature	……. i) Thermometer
10. Accuracy	……. j) Closeness to true value
11. Precision	…… k) Closeness of repeated Measurements
12. Stopwatch |	……l) Measuring time

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