

## MULTIPLE CHOICE

Choose the correct answer from the following choices:

**i. The number of base units in SI are:**

- 3
- 6
- 7
- 9

**ii. Which one of the following unit is not a derived unit?**

- pascal
- kilogramme
- newton
- watt

**iii. Amount of a substance in terms of numbers is measured in:**

- gram
- kilogramme
- newton
- mole

**iv. An interval of 200us is equivalent to:**

- 0.2 s
- 0.02 s
- $2 \times 10^{-4} \text{s}$
- $2 \times 10^{-6} \text{s}$

**v. Which one of the following is the smallest quantity?**

- 0.01 g
- 2 mg
- 100 ug
- 5000 ng

<b>vi. Which instrument is most suitable to measure the internal diameter of a test tube?</b>	
metre rule Vernier Callipers measuring tap screw gauge	
<b>vii. A student claimed the diameter of a wire as 1.032 cm using Vernier Callipers. Upto what extent do you agree with it?</b>	
1 cm 1.0 cm 1.03 cm 1.032 cm	
<b>viii. A measuring cylinder is used to measure:</b>	
mass area volume level of a liquid	
<b>ix. A student noted the thickness of a glass sheet using a screw gauge. On the main scale, it reads 3 divisions while 8th division on the circular scale coincides with index line. Its thickness is:</b>	
3.8 cm 3.08 mm 3.8 mm 3.08 m	
<b>x. Significant figures in an expression are :</b>	
all the digits all the accurately known digits all the accurately known digits and the first doubtful digit all the accurately known and all the doubtful digits	