

ANNUAL EXAMINATION

Std:VI

PHYSICS

Marks:80

Time:2h

I. Fill in the blanks:

(1\*10=10)

1. Speed of light in air is .....
2. LPG is in ..... form in the cylinder.
3. The normal temperature of a human body is .....  $^{\circ}\text{C}$ .
4. 1 quintal =..... kg.
5. Rectilinear propagation of light means 'light travels in a .....
6. A south pole attracts ..... pole and repels ..... pole of a magnet .
7. .... opposes the motion of two bodies whose surfaces are in contact.
8. .... is a state of matter which is highly compressible.
9. Quantities which can be measured are called on .....
10. .... is the gaseous form of water.

II. Define the following terms and give the SI units:

(2\*5=10)

1. Area
2. Time
3. Temperature
4. Volume
5. Speed

III. List any two differences between the following:

(2\*5=10)

1. Mass & Weight
2. Solids & Liquids
3. Convergent & Divergent beam of light
4. Temporary & Permanent Magnet
5. Clinical & Laboratory Thermometer

V. Convert the following:

(2\*5=10)

1.  $27^{\circ}\text{C}$  to Kelvin
2. 536 g into kg
3.  $3640\text{ cm}^2$  into  $\text{m}^2$
4. 3 hrs 40 minutes into minutes
5. 13:20 hours into 12 hour clock

V. I) Answer the following questions briefly:

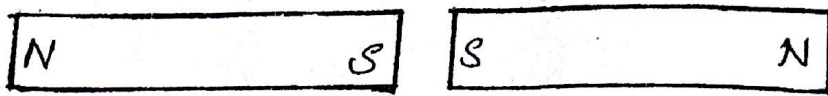
(2\*6=12)

1. Why is shadow in the morning bigger than at the noon?
2. What are the ways of demagnetisation?
3. What are the effects of friction?
4. State the characteristics of matter?
5. Why it is necessary to have standard units of measurement?

6. Friction is a necessary evil. Why?

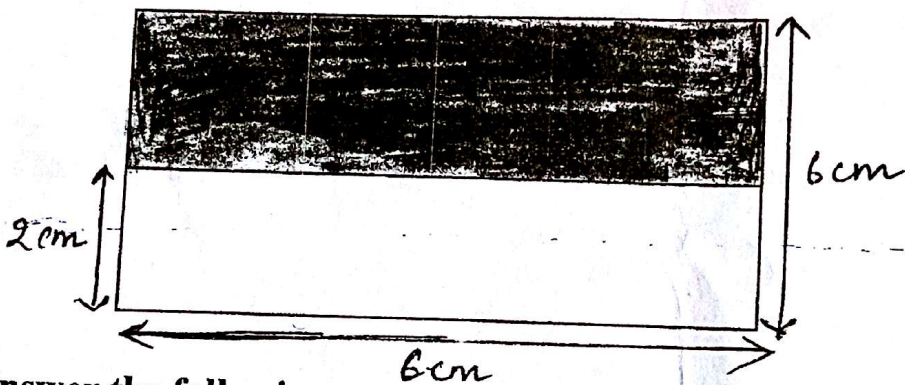
II)

1. With the help of a ray diagram draw the divergent beam of light
2. Copy the diagram and draw the magnetic lines of force.



III)

1. If the area of a rectangular field is  $42 \text{ cm}^2$  and its length is  $7 \text{ cm}$ . What is its breadth?
2. Find the area of a right angled triangular field having a base  $5 \text{ m}$  and a perpendicular distance of  $4 \text{ m}$  ?
3. Find the area of the shaded portion in the given figure:



VI. Answer the following:

1. What are the properties of magnetic field lines? (5\*3=15)
2. What is an eclipse? Name two types of eclipses? Explain any one?
3. Explain the packing of particles in solids, liquids & gases with the help of diagram?