

REVISION PAPER CLASS VI (PHYSICS)

LIGHT

- 1) Define transparent, translucent, opaque medium.
- 2) What do you mean by a shadow? State three conditions necessary for its formation.
- 3) Draw a diagram showing the shadow formation through an extended source of light.
- 4) How are the umbra and penumbra affected when i) screen is moved away from the object? when source of light is moved towards the opaque body?
- 5) Why does not a bird flying high up in the air cast its shadow?
- 6) What are the factors that influence the formation of a shadow?
- 7) Draw a diagram each of a solar and lunar eclipse and state the differences.
- 8) State the principle of a pinhole camera, and write down the nature of the image formed.
- 9) How is the nature of the image affected if the i) pinhole is made wider?
ii) if two pinholes are made 1cm apart from each other?
iii) if the object is drawn away from the pinhole?
- 10) Mention one precaution that is to be followed while constructing a pinhole camera.
- 11) Define reflection of light, Explain the term lateral inversion.

MAGNETISM

- 14) Why are artificial magnets preferred to natural magnets?
- 15) State four properties of a bar magnet.
- 16) Draw a diagram each and explain the different forms of magnetization.
- 17) Explain how magnets can be stored with the help of a diagram.
- 18) How can you demagnetise a magnet?

ELECTRIC CIRCUITS

- 19) Name two sources of power
- 20) What are the chemicals present inside a cell?
- 21) Draw a labeled diagram of an electric bulb and write down the functions of the following parts
 - a) terminals of the bulb
 - b) filament
 - c) glass cover
- 22) Write down the functions of the three metallic strips in an electric torch
- 23) How would you prove experimentally whether a material is a conductor or an insulator.
Hence define conductors and insulators.
- 24) Define electric circuit.
- 25) What is a switch? Draw and explain how would you make a switch.
- 26) Why do electricians wear rubber gloves while working with electricity?
- 27) What do you mean by friction?
- 28) State the factors governing friction. In a descending order, write down the types of friction.
- 29) Give two situations where friction is advantageous and two situations where friction is disadvantageous.
- 30) State four ways of minimising friction.

