

SCIENCE
CLASS - VIII

Time allowed: 2 ½ hours

General Instructions:

- (i) The question paper comprises of **two Sections, A and B**. You are to attempt both the sections.
- (ii) **All** questions are **compulsory**.
- (iii) There is no choice in any of the questions.
- (iv) **All** questions of **Section-A** and **all** questions of **Section-B** are to be attempted separately.
- (v) Question numbers **1 to 3** in **Section-A** are **one mark** questions. These are to be answered in **one word** or in **one sentence**.
- (vi) Question numbers **4 to 7** in **Section-A** are **two marks** questions. These are to be answered in about **30 words** each.
- (vii) Question numbers **8 to 15** in **Section-A** are **three marks** questions. These are to be answered in about **50 words** each.
- (viii) Question numbers **16 to 18** in **Sections-A** are **five marks** questions. These are to be answered in about **70 words** each.
- (ix) Question numbers **19 to 28** in **Section-B** are multiple choice. Each question is a **one mark** question. You are to select one most appropriate response out of the four provided to you.

SECTION-A

Q1.) What are cones and rods cells sensitive to?

Q2.) Define pressure

Q3.) Which effect of current causes bulb to glow?

Q4.) Mention any two differences between menarche and menopause.

Q5.) Draw a diagram to show budding in hydra.

Q6.) Why does pole star appear stationary whereas other stars appear to move from east to west?

Q7.) How tall buildings are saved from lightening?

Q8.) With the help of a flow chart describe the mechanism of sex determination in human.

Q9.) Give reasons -

a.) Fine powder is sprinkled on carom board.

b.) We rub our hands in winter when we feel cold.

c.) Kabaddi players rub their hands with mud.

Q10.) What determines the loudness and shrillness of sound?

A pendulum oscillates 20 times in 4 seconds. Find out its time period and frequency.

Q11.) What are artificial satellites? Mention any two uses of artificial satellites.

Q12.) Suggest any three measures to reduce air pollution.

Q 13.) a.) Explain why a charged balloon is repelled by another charged balloon whereas an uncharged balloon is attracted by another charged balloon.

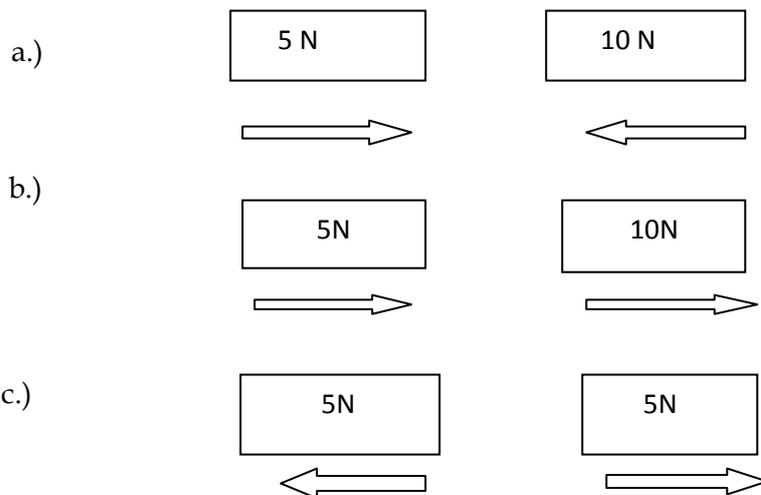
b.) Name the instrument that can be used to detect charged body.

Q14.) Give examples to show that friction is both friend and foe.

Q15.) a.) What is the difference between noise and music? Can music become noise some times?

b.) What is the unit of loudness?

Q 16) I.) Find out the magnitude and direction of resultant force in the following cases –



II.) List any two effects that force can produce. Give one example of each effect.

Q17.) a) What is reflection? State the laws of reflection.

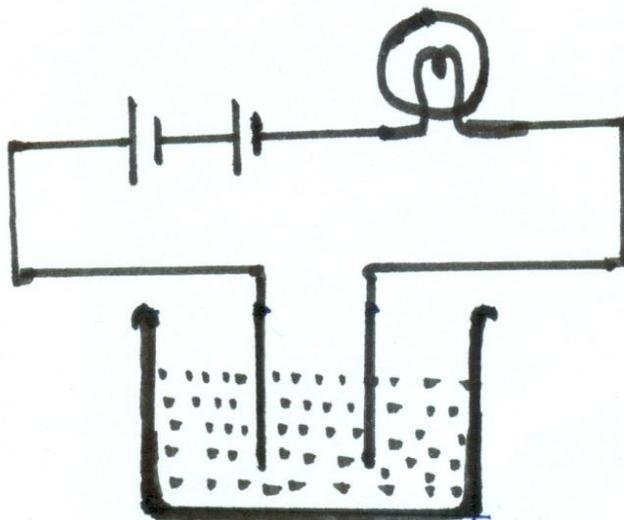
b) Mention any four characteristics of the image formed by a plane mirror.

Q 18.) Draw a well labelled diagram of passing current through water and answer the following questions –

- Name the electrolyte and electrodes.
- Which gas is produced at cathode and anode?

SECTION – B

Q 19.) The bulb does not glow in the set up shown below the possible reason may be



Q26.) Which of the following is not a member of the solar system?

- a.) An asteroid b.) A satellite c.) A constellation d.) A comet

Q27.) The Taj Mahal is being corroded due to –

- a.) Water pollution b.) Soil Pollution c.) Air Pollution
d.) Noise pollution

Q 28.) Internal fertilisation occurs in

- a.) Fish b.) Hen c.) Human d.) Both b and c
