

Q 2. State whether the following statements are True (T) or False (F) – [10 marks]

- i) For human ears, the audible range is 20 Hz. To 20,000 Hz.
- ii) Marble floor can be a good example of Regular reflection.
- iii) Jewellery makers electroplate silver and gold on expensive metals.
- iv) Unwanted or unpleasant sound is termed as music.
- v) Constellation Orion can be seen only with a telescope.
- vi) Copper wire is a good insulator.
- vii) Electroplating wastes are useful to human health and environment.
- viii) Uranus is the farthest planet in the solar system.
- ix) Chromium has a shiny appearance.
- x) Part of the eye which controls the light entering is called Iris.

Q 3. Fill in the blanks – [11 marks]

- i) Distilled water is _____ conductor.
- ii) Sound is kind of _____.
- iii) _____ planets appears to be yellowish.
- iv) Asteroids are found between the orbits of _____ and _____.
- v) Sprinkling of powder on the carom board _____ friction.
- vi) The unit of frequency is _____.
- vii) A part of the bulb which glows is called _____.
- viii) The size of the pupil becomes _____ when you see in dim light.
- ix) Sound cannot travel in _____.
- x) There are _____ wires attached to an LED..

Q 4. Answer in one word – [10 marks]

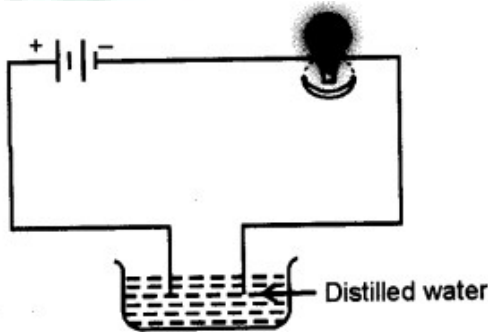
- i) Name any one source of noise pollution in your city.
- ii) Identify the part which vibrates to produce sound in Dholak.
- iii) Name any one musical instrument which produced sound by vibrating strings.
- iv) What are Conductors?
- v) What is LED?
- vi) How many times is a ray of light reflected by two plane mirrors placed parallel and facing each other ?
- vii) Name the effect of current responsible for the glow of bulb in an electric circuit.
- viii) Will the solution of sugar in distilled water conduct electricity?
- ix) Name any one object other than planets which are members of the solar system.
- x) Which planet is seen in blue-green colour from the space?

SECTION – B

[20 Marks]

Q 5. Answer the following questions in one or two sentences - (any 10)

- i) In which part of the sky can you find Venus if it is visible as an evening star ?
- ii) What happens to light when it gets dispersed ? Give an example.
- iii) Jaya sets up a circuit as given below. But the bulb does not glow. Why?



- iv) Do stars emit light only during night ?
- v) The sound from a mosquito is produced when it vibrates its wings at an average rate of 500 vibrations per seconds. What is the time period of the vibration ?
- vi) Does any part of our body vibrate when we speak? Name the part.
- vii) Define the term – Light
- viii) What is a constellation ? Name any two constellations.
- ix) List any one method to limit noise pollution in your locality.
- x) State the laws of reflection.
- xi) Match items in column A with one or more items in column B.

A	B
(i) Inner planets	(a) Saturn
(ii) Outer planets	(b) Great Bear
(iii) Constellation	(c) Moon
(iv) Satellite of the Earth	(d) Mars

SECTION – C

[9 Marks]

Q 6. Answer in Short – (any 3)

- i) List any three sources of noise pollution in your surroundings.
- ii) An electric current is passed through a conducting solution. List any three possible observations.
- iii) Differentiate between regular and diffused reflection.
- iv) Draw a labelled sketch of the human eye.

v) Sketch larynx and explain its function in your own words.

SECTION – D

[10 Marks]

Q 7. Answer in detail – (any 2)

- i) Meteors are not visible during the daytime. Explain the reason.
- ii) Draw sketches to show the relative positions of prominent stars in
 - (a) Ursa Major
 - (b) Orion.
- iii) Is it safe for the electrician to carry out electrical repairs outdoors during heavy rain pour? Explain.
- iv) Describe the construction of a kaleidoscope.

