

General Instructions:

Read the questions carefully before answering:

Questions 1 to 10 carry 1 mark each. Answer in 1 or 2 sentences Questions 11

to 20 carry 2 marks each. Answer in 3 or 4 sentences Questions 21 to 25 carry

3 marks each. Answer in 5 or 6 sentences.

Question 26 carries 5 marks.

Q1. Which of the following is also known as larynx?

- a) Face
- b) Thyroid gland
- c) Voice box
- d) Foetus

Q2. Sound cannot travel through _____?

- a) Wood
- b) Metal
- c) Water
- d) Vacuum

Q3. Which of the following is a contact force?

- a) Magnetic force
- b) Friction
- c) Gravitational force
- d) None of the above

Q4. In order to protect Iron from corrosion it is electroplated with _____?

- a) Copper
- b) Silver
- c) Aluminium
- d) Zinc

Q5. Who showed the electrolysis of water?

- a) Alfred Werner
- b) William Nicholson
- c) Michael Faraday
- d) Robert Robinson

Q6. Friction acts _____ the direction of motion of an object?

- a) Opposite to
- b) Same direction as
- c) Perpendicular to
- d) None of the above

Q7. Who showed that lightning and the spark from your clothes are essentially the same phenomena?

- a) Issac Newton
- b) Albert Einstein
- c) Stephen Hawking
- d) Benjamin Franklin

Q8. Which of the following substance is not a good conductor of electricity?

- a) Mercury
- b) Copper
- c) Aluminium
- d) Rubber

Q9. Which device is used to test whether an object is carrying charge or not?

- a) Telescope
- b) Electroscope
- c) Periscope
- d) Microscope

Q10. How many images will be formed when two plane mirrors are placed parallel to each other?

- a) Two
- b) Four
- c) Eighteen
- d) Infinite

Q11. What are non-contact forces? Name two non-contact forces?

Q12. What is the difference between music and noise? Can music become noisy at times?

Q13. What do you understand by adolescence? When it starts in boys and girls?

Q14. What do you mean by LED and what its usage?

- Q15. Explain why pure water is a poor conductor of electricity and how can we make it conducting?
- Q16. What are the laws of reflection?
- Q17. What do you understand by friction and what is the SI unit of friction?
- Q18. What causes lightning?
- Q19. How does the air get polluted?
- Q20. What are constellations? Mention the names of some constellations?
- Q21. What are the changes in the body of a girl and boy take place at puberty?
- Q22. How force can change the shape of an object? Explain with examples?
- Q23. Explain how you can protect yourself from an earthquake?
- Q24. How noise pollution is harmful to human? Explain.
- Q25. Distinguish between regular reflection and diffused reflection?
- Q26. Explain the 'Green House Effect' in your own words?