

Question Paper
2011 – 2012
CBSE Class 8 Science SA – II, set 3

General Instructions:

- All questions are compulsory.
- Marks of each question are indicated against the question.

Section-A

1. Define pressure. (1)
2. Explain why sportsman use shoes with spikes? (1)
3. Name the scale on which the destructive energy of an earthquake is measured. (1)
4. Write short note on Secondary sexual characters. [2]
5. A pendulum oscillates 40 times in 4 seconds. Find its frequency and time period. (3)
6. List sources of noise pollution. 2
7. Is it safe for electrician to carry out electrical repairs outdoors during heavy downpour? Explain. (2)
8. Suppose you are outside your home and the earthquake strikes. What precaution would you take to protect yourself? (2)
9. State the laws of reflection. (2)
10. What is “Green house effect? Explain. (2)
11. Draw a labelled diagram the human eye. (3)
12. Suggest three measures to protect ourselves from lightening. (3)
13. In the following situations identify the agent exerting the force and the object on which it acts. State the effect of the force in each case : (3)

- (a) Squeezing a piece of lemon between the fingers to extract its juice.
- (b) Taking out paste from a toothpaste tube.

14. Draw the sketches to show the relative positions of prominent stars in: (3)

- (a) Ursa major
- (b) Orion

15. What are different ways by which the water gets contaminated? (3)

OR

What is pollution? What are different types of pollution?

16. Write 'T' for true statement and 'F' for false statement: (3)

- (a) Sound cannot travel in vacuum
- (b) The lower frequency of vibration, the higher is the pitch.
- (c) Like charges attract each other
- (d) INSAT is an artificial satellite
- (e) Earthquake can be predicted in advance
- (f) There are nine planets in our solar system.

17. Fill in the blanks: (3)

- (a) Loudness is determined by the of vibration
- (b) Friction depends on the of surfaces
- (c) The process of depositing a layer of any desired metal on another material by means of electricity is called.....

18. Prepare a Table having two columns depicting names of endocrine glands and hormones secreted by them.

OR

(a) What are sex hormones? Why are they so named? State their function.

(b). How the sex is determined in unborn baby?

19. a) "Friction is necessary evil" Comment (5)

(b) Name the methods of reducing friction (any two)

OR

Write short notes on:

(a) Global warming

(b) Noise pollution

(c) Water pollution.

Section-B

Choose the correct option out of four.

20. Which of the following is not a greenhouse gas? (1)

(a) Carbon dioxide (b) Sulphur dioxide. Methane (d) Nitrogen?

21. Which of the following is NOT a member of solar system? (1)

(a) An asteroid (b) A satellite (c) A constellation A comet

22. Which of the following is NOT a planet of the sun? (1)

(a) Sirius (b) Mercury (c) Saturn Earth

23. Angle of incidence is equal to the angle of reflection: (1)

(a) Always (b) Sometimes

(c) Under special conditions (d) Never

24. Sound can travel through (1)

(a) Solids only (b) liquids only (c) Gases only (d) Solids, Liquids and gases

25. Voice of which of the following is likely to have minimum frequency: (1)

(a) Baby girl (b) Baby boy (c) A man (d) A woman

26. The right meal for adolescents consists of: (1)

- (a) Chips, noodles, coke (b) Chapati, dal, vegetables
(c) Rice noodles and burgers (d) Vegetables cutlets chips & lemon drinks

27. Reproductive age in woman starts when their: (1)

- (a) Menstruation starts (b) Breasts start developing
(c) Body weight increases (d) Height increases

28. Which of the following cannot be charged easily by friction: (1)

- (a) A plastic scale (b) A copper rod
(c) An inflated balloon (d) A woolen cloth

29. Force could be: (1)

- (a) A push (b) A pull
(c) Both of them (d) None of them

30. Unpleasant and unwanted sounds are called: (1)

- (a) Noise (b) Music
(c) Air pollution (d) Oscillation

31. CFC stand for (1)

- (a) Carbon fluoro chlorides (b) Chloro fluoro carbons
(c) Chloride, fluorine and carbon (d) Carbon ferium chloride