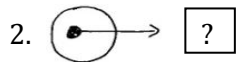
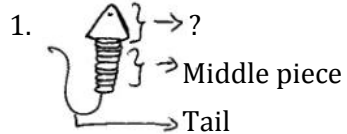


GENERAL INSTRUCTIONS:

- * I. Answer all the questions. Each carries 1 marks.
- * II. Answer all the questions. Each carries 2 marks.
- * III. Each Answer carries 3 marks each. All the questions are compulsory. (Internal choice is given for Q. No. 19, 20 & 21).
Draw the diagram wherever necessary.
- * IV. Detail – Carries 5 marks each. (Internal choice is given).
Diagram is compulsory for the related questions chosen.
- * V. MCQ's Answer all the questions. Each carries 1 mark.
- * VI. VBQ's Q. No. 35 & Q. No. 36 is compulsory each carries 2 marks

I. Answer in one word:

5x1=5



3. Pick the correct one (Round it) CH_2O_3 H_2CO_3 HC_2O_2 $\text{O}_3\text{C}_1\text{H}_2$.

4. Unit of loudness is ____.

5. I am a gland. I secrete emergency hormone. Identify me.

II. Answer in short:

6x2=12

6. What are endocrine glands?

7. Complete the equation by balancing them.



8. What is ignition temperature?

9. Which micro-organism acts as a decomposer? How is this activity useful to us?

10. a) Name the largest planet of the solar system.

b) I am a planet red in colour. Who am I?

11. Identify it?

What does this ovary produce?

Name this organ.

III. Answer in a paragraph:

10x3=30

12. Distinguish between Oviparous and viviparous animals.

13. Write any 2 chemical properties of metals and non – metals.

14. Draw a flame and label it.

15. Is there any use in projecting artificial satellites? Yes/ no. Justify your answer.

16. a) What is the difference between noise and music?

b) Why does music become noise sometimes?

17. Add your note on functions of Sex hormones.

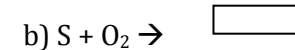
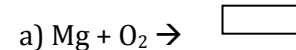
18. Differentiate between internal fertilisation and external fertilisation.

19. a) Distinguish between LPG and wood as fuels.

(OR)

b) Give some uses of non – metals.

20. a) Complete the equation.



(OR)

b) Write short notes on harmful microorganism.

21. a) Define: i) Static friction (ii) Sliding friction (iii) Rolling friction.

(OR)

b) Define: i) Light year ii) constellation

IV. Answer in detail:

4x5=20

22. a) What are the major groups of micro organisms? Explain with diagram. (OR)

b) How sex is determined in the unborn baby?

23. a) Add your note on noise pollution and the ways to control it.

(OR)

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

24. a) Distinguish between metals and non – metals based on physical properties. (OR)

b) Define “Asexual reproduction”. Explain any two types of it.

25. a) Explain the types of combustion with example. (OR)

b) What is friction? What are the two causes of friction?

V. Multiple choice questions:

9x1=9

26. Plant disease citrus cancer is caused by ____.

- a) Virus b) Fungi c) Bacteria d) None of these

27. Which reduces friction?

- a) Rolling b) Kicking c) Buying d) Running

28. Which metal is soft?

- a) Carbon b) Sodium c) Zinc d) Magnesium

29. Which one of the following is the fuel of our body?

- a) Petrol b) Diesel c) Food d) Water

30. Which one is not an oviparous animal?

- a) Human b) Crow c) Hen d) Crocodile

31. Budding is found in ____.

- a) paramecium b) Hydra c) Yeast d) Both (b) & (c)

32. Ovum is fertilized in the ____.

- a) Ovary b) Oviduct c) Cervix d) Testes

33. Larynx is also called ____.

- a) Voice box b) Sound box c) Black box d) All the above

34. Which was the first Indian satellite?

- a) Armstrong b) Aryabhata c) Acharya d) Andrews

VI. Value Based Questions:

2x2=4

35. Prepare a poster based on “The harmfulness caused by microorganisms”.

36. Imagine that you are walking on a mountain. All of a sudden earth’s friction is lost. After 10 minutes friction is regained. What will be your experience. Put your views in writing.