

INDIAN SCHOOL SALALAH
FINAL EXAMINATION – MARCH 2019
SCIENCE

CLASS: VII

Max. Marks: 80

Time: 2 ½ Hrs.

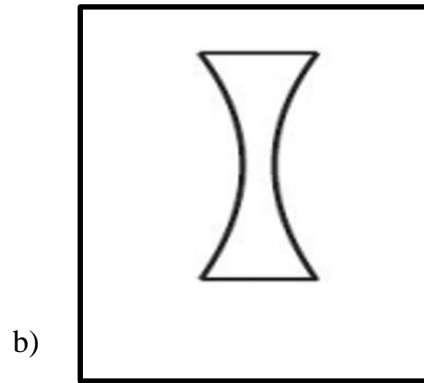
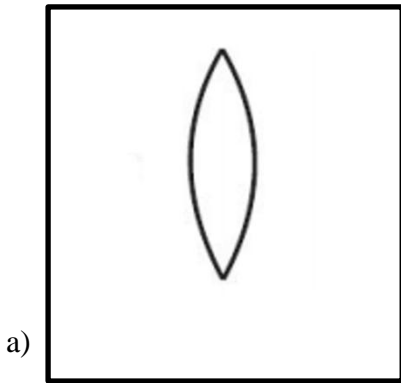
General Instructions:

- i) This question paper consists of 4 pages with 37 questions in all.*
 - ii) This question paper comprises of two sections A and B. You are to attempt both sections.*
 - iii) All questions are compulsory.*
 - iv) Questions 1 – 13 in Section A carry 2 marks each.*
 - v) Questions 14 – 22 in Section A carry 3 marks each.*
 - vi) Questions 23 – 25 in Section A carry 5 marks each.*
 - vii) Questions 26 – 37 in Section B are multiple choice questions. Each question carries one mark. You are to select one most appropriate option out of the four provided.*
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SECTION A

1. Forests are called green lungs. Why?
2. A miniature circuit breaker (MCB) is better than electric fuse. Why?
3. How do insects breathe?
4. Differentiate between Real and Virtual images.
5. What are the advantages of CFLs over Filament bulbs?
6. When baking soda is added to vinegar, bubbles are formed with the evolution of a gas.
 - a) Which gas is evolved during the process?
 - b) Name the type of change that takes place.
 - c) Write a chemical equation to represent the above reaction.
7. Differentiate between weather and climate.
8. What would happen if a potted plant is over watered? Give reason for your answer.
9. Explain the mode of intake of food in Starfish.
10. Define :-
 - a) Humidity
 - b) Migration

11. Identify the following spherical lenses and write the properties of images formed by them.



12. Write short note on :-

- a) Absorption
- b) Assimilation

13. a) What happens when we drop an iron nail into copper sulphate solution?

b) Represent the reaction with the help of a chemical equation.

14. What are villi? Where are they located? Write their functions.

15. How does an elephant living in the tropical rain forest adapt itself? Explain 3 points.

16. a) What are Ruminants?

b) How does digestion take place in Ruminants? Explain

17. Describe any three important features of a polar bear which protect it from the extreme cold and snowy surroundings.

18. a) What is a food chain?

b) How is the flow of energy take place in a food chain?

19. a) Explain why we get muscle cramps after a heavy exercise?

b) How can we get relief from it?

20. Explain the structure of a forest.

21. a) What is meant by dispersion of light?

b) Describe an activity to show that sunlight consists of seven colours. Explain with the help of a diagram.

22. Write the differences between an open and a closed circuit. Draw diagrams to support your answer.

23. a) What is meant by breathing? List down the changes that take place during the inhalation and exhalation of breathing.

b) Write the percentage of oxygen and CO₂ in inhaled and exhaled air.

24. a) Define magnetic effect of electric current.
b) Write an experiment to show the magnetic effect of electric current. Explain with the help of a labeled diagram.
25. a) What is rusting? What are the essential conditions required for rusting?
b) How can rusting be prevented? Explain any 3 methods.

SECTION B

26. Bile is secreted by
a) Liver b) Pancreas c) Stomach d) Small intestine
27. The process of taking in food by an animal and its utilization in the body is called
a) Ingestion b) Digestion c) Nutrition d) Egestion
28. The animal which can breathe through the lungs as well as through skin is
a) Fish b) Dolphin c) Bird d) Frog
29. The animal having sticky pads on its feet which help it to climb easily on trees is
a) Toucan b) Reindeer c) Red – eyed Frog d) Siberian Crane
30. The periodic movement of animals and birds from one place to another and back to their original homes is known as
a) Hibernation b) Migration c) Aestivation d) Decantation
31. The nature of the image formed on a plane mirror is
a) Real, inverted and diminished b) Virtual, erect and magnified
c) Virtual, erect and of the same size. d) Real, erect and diminished
32. The “ element” of an electric iron is made up of
a) Nichrome b) Nickel c) Iron d) Tungsten
33. A diverging mirror is
a) A plane mirror b) A convex mirror c) A concave mirror d) A shaving mirror
34. The magnetic effect of electric current was discovered by
a) Maxwell b) Darwin c) Hans Christian Oersted d) Isaac Newton

35. Microorganisms act upon the dead plants to produce

- a) Sand b) Humus c) Wood d) Mushrooms

36. The gas which turns limewater milky is

- a) Sulphuric acid b) Hydrogen Chloride c) Nitrogen dioxide d) Carbon dioxide

37. The process of obtaining pure substances from their solutions is called

- a) Crystallisation b) Galvanisation c) Sublimation d) Filtration
