INTERNATIONAL INDIAN SCHOOL DAMMAM

MIDDLE SECTION-ANNUAL EXAMINATION (2017-18)

CLASS: VIII **Max.Marks:80**

SUBJECT: GENERAL SCIENCE **Duration: 3 Hours**

SET – A

General Instructions:-

1. Read the questions carefully.
2. Write the correct question numbers .
3. All the 42 questions are to be attempted.

SECTION-A **(1 x 10 = 10)**

I. Choose the correct answer from the given options.

1. Which of the following is not a metalloid ?

a) Silicon b) Arsenic c) Potassium d) Germanium

2. Poor vision is due to the deficiency of_____

a) Vitamin B b) Vitamin A c) Vitamin D d) Vitamin K

3. A prominent constellation like a W or M

a) Sirius b) Great Bear c) Cassiopea d) Orion

4. The Ozone layer protects us from _____

a) Ultra violet rays b) X rays c) Gamma rays d) Infrared rays

5. Name the element that is an important component of chlorophyll.

a) Potassium b) Magnesium c) Zinc d) Calcium

6. Which of these is different from the others.

a) Nerve cell b) RBC c) WBC d) Muscle cell

7. Large scale rearing of animals to obtain food is called_____

a) Poultry b) Animal Husbandry c) Pisciculture d) Sericulture

8. Weak regions in the earth's crust where earthquakes are likely to occur.

a) Epicentre b) Seismic Zone c) Seismic focus d) Tectonic zone

9. Which of these is not a byproduct of coal ?

a) Coal tar b) Coke c) Bitumen d) Coal gas

10. The relationship between loudness and amplitude is

a) Loudness is inversely proportional to amplitude b) Loudness is proportional to square of amplitude

c) Loudness is proportional to amplitude d) Loudness is inversely proportional to square of amplitude

II. Name the following **(1 x 4 = 4)**

11. The property due to which silver is used in decorating sweets.

12. Two cropping patterns in India.

13. The scale in which the magnitude of an earth quake is measured.

14. The part of the cell that is visible only during cell division.

III. Define:- **(1 x 3 = 3)**

15. Lightning

16. Carbonisation

17. Amplitude

IV. Give reasons:- **(1 x 3 = 3)**

18. Stars appear to move from East to West.

19. An Owl can see very well during the night.

20. Cell is the functional unit of life.

SECTION B **(2 x 10 = 20)**

V. Answer in one or two sentences

21. What is meant by the term endangered animals? Give two examples.

22. Give two functions of the plasma membrane.

23. What are exhaustible natural resources? Give two examples.

24. A certain substance when burnt in air produces a gas which dissolves in water and turns blue litmus red. Write the chemical equation for its reaction with oxygen and water.

25. What is the principle behind the working of the electroscope? How can you discharge the charged electroscope?

26. What are Ciliary muscles? Write its function.

27. Find the frequency and time period of a pendulum that oscillates 96 times in 8 seconds.

28. State two differences between a star and a meteor.

29. Explain what are LED's. Give any two advantages of using LED's.

30. What is manure? Give two advantages of using manure.

SECTION C (3 x 10 = 30)

VI. Write in short

31. How do we hear with our ear. Explain.

32. What is a lightning conductor? How does it protect tall buildings?

33. Differentiate between plant and animal cell with the help of labeled diagrams only.

34. Why is the soil loosened before seeds are sown ? Give 3 reasons.

35. What is cataract ? How can it be treated ?

36. What happens to an iron nail put in copper sulphate solution and zinc sulphate solution. Give reason for the reaction if any.

37. What is meant by desertification?

38. a) Why is chromium considered suitable for electroplating?
    b) What are the products of electrolysis of water at the two electrodes. Specify.

39. Write a short note about the surface of the moon.

OR

39. a) Distinguish between new moon day and full moon day.
    b) What are artificial satellites ? List two uses of artificial satellites.

40. a) What is greenhouse effect? Name two greenhouse gases.
    b) What is acid rain?

SECTION D (2 x 5 = 10)

VII. Answer in detail:-

41. a) Draw the structure of the human eye and label any six parts.
    b) Give two functions of the iris.
    c) What is the principle behind the working of the kaleidoscope? What are its uses?

OR

41. a) State the laws of reflection along with a ray diagram.
    b) How does the eye perceive objects as moving?
    c) Name the sensory cells of the eye. How do they help us to see(functions)?

42. a) What is meant by chemical effects of electric currents? What are the effects?

    b) Explain the process of purification of impure copper rod using electric current with a labeled diagram.

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