

INTERNATIONAL INDIAN SCHOOL, DAMMAM

SUMMATIVE ASSESSMENT – 2 MARCH 2016

SUBJECT: GENERALSCIENCE

TIME: 3Hrs.

CLASS:VIII

MAX MARKS: 90

SET - B

GENERAL INSTRUCTIONS

1. Read all the questions carefully.
2. All the answers to be written on the answer sheet provided.
3. Total number of questions – 48. All questions are compulsory.

SECTION - A

I. Choose the correct answer from the following options. (1x15 = 15)

1. The plant disease caused by virus and spread by insect is
a. Citrus canker b. Rust of wheat c. Yellow vein Mosaic of Okra d. All the above.
2. Which among the following is considered as cleanest fuel?
a. Cow dung b. Petrol c. Kerosene d. Compressed natural gas.
3. Force acts on object may change
a. Direction b. Shape c. Speed d. All the above.
4. The charge acquired by glass rod when it is rubbed with a silk is _____.
a. Negative b. Positive c. Both d. None of these.
5. _____ effect of current is responsible for the glow of blub.
a. Chemical b. Magnetic c. Heating d. All the above.
6. Rolling friction is smaller than _____.
a. Sliding b. Fluid c. Static d. Both a&c.
7. Aspergillus is an example of _____.
a. Fungi b. Bacteria c. Protozoa d. Algae.
8. _____ is the poisonous gas produced by the burning of charcoal in closed room.
a. Ammonia b. Oxygen c. Carbon monoxide d. Nitrogen dioxide
9. Force exerted by earth on any object is _____.
a. Gravitational force b. Magnetic force c. Force of gravity d. Electrostatic
10. The innermost layer of earth is called _____.
a. Mantle b. Fault zone c. Crust d. Core.
11. Which metal is electroplated on iron while constructing bridges?
a. Sodium b. Zinc c. Mercury d. Tin
12. A toy car released with the same initial speed will travel farthest on _____ surface.
a. Muddy b. Cemented c. Bricked d. All the above.

13. Which of the following reproduce only inside a host cell?
a. Bacteria b. Fungus c. Virus d. Protozoa .
14. Pressure is defined as _____.
a. Force x Mass b. Force x Area c. Force / unit area d. Force / volume.
15. If we apply oil on door hinges, the friction will _____.
a. Increases b. Decreases c. Disappear altogether d. Will remain unchanged.

SECTION – B

II. Name the following (1x3 =3)

16. Scientist who discovered the bacterium which causes anthrax.
17. The process of transferring of charge from charged object to earth.
18. The amount of heat produced on complete combustion of 1kg fuel.

III. Fill in the blanks. (1x3 = 3)

19. The shorter lead of LED is always connected to _____ terminal of the battery.
20. _____ is the point directly above the origin point of earthquake .
21. The process of coating of desired metal on other material by the passage of electricity is called _____.

IV. Rewrite the false statement correctly. (1 x2 = 2)

22. Intensity of earthquake is measured on Celsius scale.
23. In the sun, the heat and light are produced by biological reaction.

V. Give reason. (1x 2 = 2)

24. Why do our bodies not get crushed due to atmosphere pressure?
25. Farmers prefer to grow beans and peas in nitrogen deficient soil. Why?

SECTION – C

VI. Answer the following in one or two sentences. (2 x 10 = 20)

26. a) Name the **two** factors which are used to describe the state of motion of an object.
b) What will be the net resultant force if the forces are **equal and opposite & forces applied in same direction**?
27. Write any **four** disadvantages of friction.

28. a) Why is chromium is not used for making the whole object ?
b) List **three** properties of chromium which enable it to be used in electroplating.
29. What are antibiotics? Give **two examples**.
30. a) What are inflammable substances?
b) Why water is not suitable for fire involving oil?
31. How do we get the supply of carbon dioxide in fire extinguisher?
32. a) What are the **two** kinds of charges ?
b) Write **two** properties of static charges.
33. What is **LED**? Write its **use and advantages**.
34. a) What are the carriers of diseases?
b) Name the carriers of **malaria and dengue fever**.
35. What is **fluid friction**? Write the **factors** on which it depends?

SECTION – D

VII. Answer the following in three or four sentences. (3 x 10 = 30)

36. Differentiate between **rapid** and **spontaneous combustion with examples**.
37. How does a **vaccines** works and **who discovered** vaccine for small pox?

OR

37. Write a short on the role of microorganisms in cleaning the environment .
38. Explain why objects moving in fluids must have special shape?
39. a) What is lightning conductor ?
b) Write **two indoor safety** measures to protect ourselves from lightning.
40. Differentiate between **contact and non-contact forces with 2 examples**.
41. a) Define atmospheric pressure.
b) Potter's place a round piece of cloth on their head to carry heavy load .Why?
42. Why does the match stick start burning on rubbing it on the side of the match box?
43. What is an earthquake? Mention **any two damages** caused by an earthquake.

44. How do lubricants reduce friction?
45. What are the **three** chemical effects of electric current?

SECTION – E

VIII. Answer the following in detail.

(5 x 3 =15)

46. a) Define electrolysis of water .(1)
- b) What do you observe after passing electricity through water? (2)
- c) **Draw a labelled circuit diagram** of electrolysis of water. (2)

47. a) List some properties of ideal fuel.(1 ½)
- b) **Draw a well labelled diagram** of **different zones** of **candle flame**. (3 ½)

OR

47. a) In an experiment, **1.5kg** of a fuel was completely burnt and the heat produced was **75,000kj**. Calculate the **Calorific Value** of the fuel.(2)
- b) Some substances like molten wax produce flame whereas charcoal does not produce flame. Why?(1 1/2)
- c) Mention the **adverse effect** of global warming. (1 ½)
48. . a) List **any four methods** of preservation. (2)
- b) Complete the flow chart of **Nitrogen cycle**. (3)

