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INDIAN SCHOOL SOHAR
SUMMATIVE ASSESSMENT-2
SUBJECT:-SCIENCE

CLASS:-VIII

MARKS:-60

DATE:- 03 -03-16

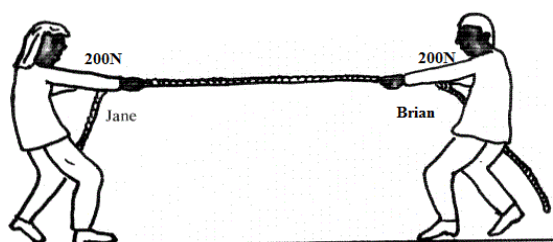
TIME:- 2 Hrs

GENERAL INSTRUCTIONS:

This Question Paper Carries 25 Questions. Read the instructions carefully and answer.

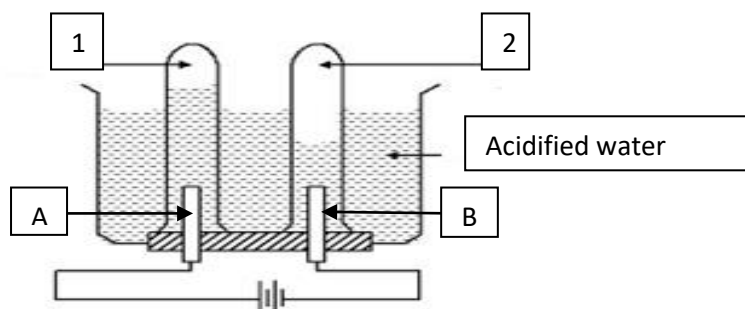
- 1. Questions 1 to 5 are Very short Answer type Questions carrying 1 mark each.**
- 2. Questions 6 to 14 are Short Answer Type Questions carrying 2 mark each.**
- 3. Questions 15 to 23 are Long Answer Type Questions carrying 3 mark each.**
- 4. Questions 24 & 25 are Very Long Answer Type Questions carrying 5 mark each.**

- 1.a) Which hormone plays an important role in metamorphosis in frogs?
b) How is sex determined in lizards?
2. Why is an atom said to be electrically neutral?
3. What is a light year? Write its value.
4. The soles of the shoes of mountaineers and athletes are provided with spikes. Justify.
5. State one difference between hypocenter and epicenter.
6. A tin weighing 8 Newton rest on the table top of dimensions 10cm x 10cm. Calculate the pressure exerted by tin on the table.
7. State the laws of reflection of light.
8. What are the causes and effects of eutrophication?
9. Mention four characteristics of images formed by a plane mirror.
10. Although guitar and violin are both stringed instruments. Mention two basic differences between the two.
11. A glass rod is rubbed with a silk cloth, which of the two, gets charged in the process? Explain.
12. a) During electroplating of iron nail, why should iron nail be connected to the cathode terminal and copper plate to the anode terminal of the battery?
b) What is electroplating?
13. Observe the figure given below and answer the following questions. If two children pull the rope in opposite direction with a force of 200 Newton each.
i) Will the rope move? Give reason.
ii) What will be the resultant force?



14. a) Name the galaxy that is nearest to the Earth.
b) Which is the star that appears stationary from the Earth? In which constellation is it situated?
c) If your body weighs 75 kg on the earth, what will be your weight on the moon?

15. Draw a ray diagram for a convex lens when the object is placed at $2F$. Write the position, size and nature of the image formed.
16. Observe the figure given below and answer the following questions.



- i) Label parts A & B.
 - ii) Name the process involved in this figure.
 - iii) Define the above process.
 - iv) What will be collected in test tube 1 & 2?
17. Once Jasmin went with her parents to Agra and saw Taj Mahal. To her surprise she saw the beautiful Taj Mahal had gone dull and faded; she was surprised about that and asked her father for the reason.
- a) According to you, what explanation her father had given her? Mention four points.
 - b) What kind of values are shown by Jasmin?
18. List three important precautions you should take during the thunderstorm & lightning.
19. a) Name the first artificial satellite launched by India. In which year it was launched?
 b) Mention four purposes of launching INSAT series of satellites.
20. a) Which endocrine gland is called as the master gland? Justify.
 b) Why is it essential for adolescents to have healthy eating habits?
21. a) Define pressure. Write its SI unit.
 b) Rear wheels of trucks or buses are provided with double wheels. Give reason.
22. a) Define friction.
 b) State two differences between mass and weight.
23. a) How do bats find their location?
 b) Mention two main differences between music and noise.
24. A person is unable to see the distant object clearly.
- a) Name the defect of the vision the person is suffering from.
 - b) State two causes of the defect.
 - c) Draw the ray diagram to show the:
 - i) Defect of vision.
 - ii) Correction of the defect using an appropriate lens.
25. With a neat labeled diagram describe an experiment to show that liquid exerts equal pressure at the same depth.

*****THE END*****