



Octahedral classes, kharadi

2nd floor, yashwant plaza, near bank of India,

Class 08 - Science

8th science

Maximum Marks: 50

Time Allowed: 1 hour and 30 minutes

General Instructions:

ANSWER ALL QUESTIONS

Section A

1. Do liquids and gases also exert pressure? 1
2. What will be the net force on an object when two forces act on an object in the same direction? 1
3. A blacksmith hammers a hot piece of iron while making a tool. How does the force due to hammering affect the piece of iron. 1
4. When an object is thrown vertically upwards why does its speed decrease? 1
5. An inflated balloon was pressed against a wall after it has been rubbed with a piece of synthetic cloth. It was found that the balloon sticks to the wall. What force might be responsible for the attraction between the balloon and the wall? 1
6. Name the special shape given to objects moving in fluid. 1
7. Name the substance which is used in carrom board to reduce friction. 1
8. Why do pieces of luggage fitted with rollers? 1
9. What happens, if the floor we walk on is frictionless? 1
10. What are electrodes? 1
11. What is distilled water? 1
12. Name the gas deposited on a positively charged electrode. 1
13. What are vibrating parts of Flute? 1
14. What is the unit of loudness? 1
15. Mention two groups of microorganisms which live in colonies. 1
16. Name the microorganisms which promote the formation of curd. 1
17. How enlightened management of land is essential for sustaining good crop yields year after year? 2
18. Explain traditional methods of irrigation. 2
19. Explain the structure of a flame. 2
20. Define flame. What types of substances produce flame? 2
21. Why do plants need a cell wall and animals don't? 2
22. Explain the variation of size of cells. 2
23. What are the functions performed by single cell organisms? 2
24. Name a metal that replaces silver from silver solution. Give its equation and reason also. 2
25. Why should foodstuffs with acid components be not stored in metallic containers? 2
26. What would you observe when a strip of zinc is dipped in the solution of copper sulphate? 2
27. Can copper displace iron from iron sulphate solution? Give reasons. 2
28. Give two examples of situations in which applied force cause a change in the shape of an object. 2
29. What may be the consequences when a force is applied on an object? 2
30. We know that there is a huge amount of atmospheric pressure on us. But we do not experience its effects why? 2
31. You would not have forgotten the accident that happened to astronaut Kalpana Chawla. What was the reason behind that? 2
32. Why the soles of our shoes and tyres of cars, trucks etc are grooved? 2
33. Explain why we use ball bearings between the hub and axle of ceiling fan and bicycle. 2

