

**DISTRICT COMMON EXAMINATION BOARD  
ANNUAL EXAMINATIONS – APRIL – 2012  
GENERAL SCIENCE – Paper – I**

**(Physical Sciences)**

**(English Medium)**

**PART - A**

**Class: VIII]**

**(Max. Marks: 35)**

**[Time: 2 Hrs.**

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**I. Understanding:**

**Answer any FIVE of the following questions.**

**5 x 2 = 10**

1. What is the difference between meteor and comet?
2. Explain the difference between vectors and scalars with examples.
3. Write the characteristics of image formed by a plane mirror.
4. a) If the maximum temperature of a town is 45° C, calculate the corresponding temperature in Fahrenheit scale.  
b) How many grams of carbon dioxide is liberated when 8 grams of calcium carbonate is heated?
5. Write any four uses of sulphur.
6. How is brown ring test performed?

**II. Experiments / Field Experiments (Projects):**

**2 x 5 = 10**

7. Describe an experiment to show that sound cannot travel in vacuum.
8. How is ammonia prepared in the laboratory? Write any two uses of Ammonia.

**III. Draw the diagram and Give explanation**

**Draw and Label the following:**

**2 x 5 = 10**

9. Draw the diagram of Vernier Callipers and label its parts.
10. Draw the diagram of Nelson's cell and label its parts.

**IV. Higher order thinking Questions:**

**Questions based on Analysis.**

**5 x 1 = 5**

**Answer the following questions.**

11. Why did plastic comb is getting attractive property when it is rubbed with dry hair?
12. Write any appliances works on the principle of wireless system?
13. Write an innovative question on magnetism.
14. Why do we see flashes of flames in the graveyard?
15. Why do we fill hydrogen only in weather balloons?

**- K. Prabha Rani**