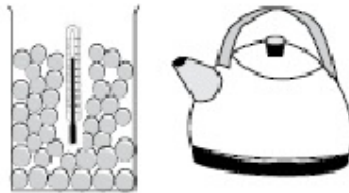
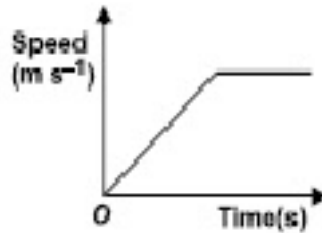


GSO SAMPLE PAPER CLASS 9

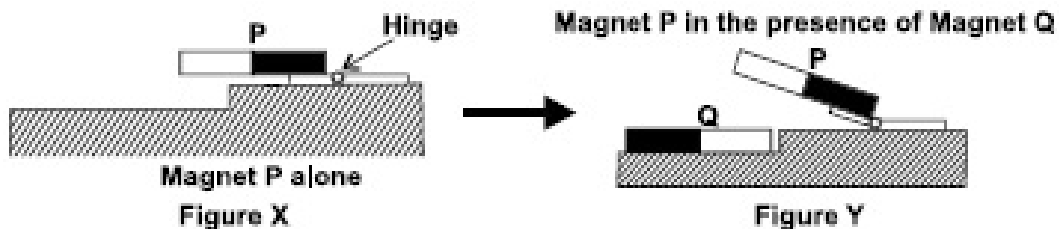
- If the code of RIGHT is SGJDY, what is UPDZJ the code for?
  - VERSE
  - VALID
  - TRAIN
  - TRADE
- A freezing process requires the room temperature to be lowered from  $40^{\circ}\text{C}$  at the rate of  $8^{\circ}\text{C}$  every hour. The room temperature 4 hours after the process begins is \_\_\_\_\_.
  - $-8^{\circ}\text{C}$
  - $8^{\circ}\text{C}$
  - $72^{\circ}\text{C}$
  - $-72^{\circ}\text{C}$
- Amit, Priya, Latika, Garima and Rahul all go into a shop. Only Garima buys a samosa. Priya, Latika and Rahul buy a chocolate each. Everyone except Priya buys an ice cream each. Priya is the only one who buys toffees. Nobody except Amit and Latika chooses a burger. Each of the girls buy a packet of chips. Which child buys the most number of items?
  - Priya
  - Garima
  - Latika
  - Amit
- The warm water is poured slowly into a beaker of ice cubes as shown in figure. Which of the following options is correct, when the warm water was poured into the beaker?



- The ice starts to melt.
  - The glass expands.
  - The temperature of the ice increases. The temperature of the warm water decreases.
- 1 and 4 only
  - 2 and 4 only
  - 1, 3 and 4 only
  - All of these
- In which direction does the frictional force always act on an object moving across a horizontal surface?
    - In the direction of the gravitational force
    - Opposite to the direction of the gravitational force
    - In the direction of motion
    - Opposite to the direction of motion
  - The graph shows the first few seconds of a car's journey. From the graph it can be seen that the car travels.



- a. With constant acceleration and then at constant speed
  - b. At increasing speed and then stops
  - c. At constant speed and then slows down
  - d. With constant acceleration and then stops
7. In the game of basketball, the ball is bounced (with no spin) towards a player at an angle of 40 degrees to the normal. What will be the angle of reflection?
- a. 30°
  - b. 45°
  - c. 60°
  - d. 40°
8. How does cyclone decrease the fertility of the soil in the coastal areas?
- a. By flooding the land with saline water
  - b. By dissolving soil and rocks
  - c. By increasing the water table of the place
  - d. By decreasing the water table of the place
9. Charkha is used for \_\_\_\_\_.
- a. Spinning
  - b. Ginning
  - c. Weaving
  - d. Knitting
10. The temperature shown by a mercury-in-glass thermometer increases. Which of the following is constant?
- a. Density of the mercury
  - b. Internal energy of the mercury
  - c. Mass of the mercury
  - d. Volume of the mercury
11. In the figure Y, magnet P is experiencing \_\_\_\_\_.



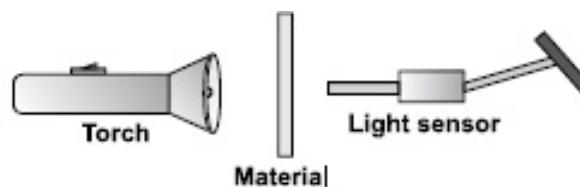
1. Magnetic force of repulsion
  2. Magnetic force of attraction
  3. Elastic spring force.
  4. Gravity
- a. 1 and 3 only
  - b. 1 and 4 only
  - c. 2 and 3 only
  - d. 2 and 4 only

12. Five solutions have been taken in five test tubes labelled as A, B, C, D and E. They are tested with four indicators and the observations are recorded.

Solution	Methyl Orange	Blue litmus	Red litmus	Phenolphthalein
A	Red	Red	Red	Colourless
B	Red	Red	Red	Colourless
C	Yellow	Blue	Blue	Pink
D	Orange	Blue	Red	Colourless
E	Red	Red	Red	Colourless

Which of the above solutions can neutralise each other?

- a. A and B
  - b. D and E
  - c. B and C
  - d. B and D
13. When an electron moves from negative electrode to positive electrode,
- a. Negative charge moves from negative electrode to positive electrode
  - b. Positive charge moves from positive electrode to negative electrode
  - c. No charge flows from either electrode to other electrode
  - d. Both (A) and (B)
14. Which of the following is not caused by friction or resistive forces?
- a. A match lighting as it strikes a match box.
  - b. A car braking to a stop.
  - c. A pebble accelerating as it falls to the ground.
  - d. A meteor glowing as it falls through the atmosphere.
15. Shuchi conducted an experiment to find the amount of light that could pass through four different materials. She recorded her results in the table below



Material	Amount of light (lux)
P	30
Q	120
R	0
S	60
a. P	b. Q
c. R	d. S