

Sample Paper - 2

ICSE Board Class VIII Physics Sample Paper - 2

Time: 2 hrs Total Marks: 75

General Instructions:

- 1. All questions are compulsory.
- 2. Questions 1 to 15 carry one mark each.
- 3. Questions in 2A and 2B carry one mark each.
- 4. Questions in 3A and 3B carry one mark each.
- 5. Question 4A and 4B carry five marks each.
- 6. Question 5A and 5B carry five marks each.
- 7. Question 6A and 6B carry five marks each.
- 8. Question 7A and 7B carry five marks each.

Question 1

Choose the correct answer out of the four available choices given under each question. [15]

- **1.** Electric charges can flow through
 - (a) Both conductors and insulators
 - (b) Insulators
 - (c) Conductors
 - (d) Neither conductors nor insulators
- 2. A freely suspended magnet would come to rest in the
 - (a) East west direction
 - (b) North south direction
 - (c) South east direction
 - (d) North west direction
- 3. The change of state from vapour to liquid at a constant temperature is called
 - (a) Fusion
 - (b) Vapourisation
 - (c) Freezing
 - (d) Condensation
- **4.** The type of lens used as a magnifying glass
 - (a) Concave lens
 - (b) Convex lens
 - (c) Concavo-convex lens
 - (d) Convexo-concave lens

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- **5.** Our solar system belongs to the
 - (a) Seyfert galaxy
 - (b) Milky way galaxy
 - (c) Whirl pool galaxy
 - (d) Andromeda galaxy
- **6.** If the weight of a body is more than the weight of fluid displaced by it, then the body
 - (a) Sinks
 - (b) Floats
 - (c) First floats and then sinks
 - (d) None of these
- **7.** Air in motion possesses
 - (a) Potential energy
 - (b) Kinetic energy
 - (c) Electrical energy
 - (d) Geothermal energy
- **8.** When a positively charged body is brought close to another positively charged body, it will show
 - (a) Attraction
 - (b) Repulsion
 - (c) No effect
 - (d) None of these
- **9.** The Earth's magnetic field is maximum
 - (a) At the poles of the Earth
 - (b) At the centre of Earth
 - (c) At the outer surface of the Earth
 - (d) None of these
- **10.** Speed of light is maximum in
 - (a) Air
 - (b) Water
 - (c) Glass
 - (d) Vacuum
- 11.Land breeze blows
 - (a) During the day
 - (b) During the night
 - (c) Both during day and night
 - (d) None of the above



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- **12.** An image which can be captured on a screen is called
 - (a) Erect
 - (b) Inverted
 - (c) Virtual
 - (d) Real
- 13. Liquid pressure is measured by
 - (a) Anemometer
 - (b) Odometer
 - (c) Manometer
 - (d) Barometer
- 14. The direction of buoyant force is always
 - (a) Vertically downward
 - (b) Vertically upward
 - (c) Along the surface
 - (d) At any angle with the surface of liquid
- 15. Small insects like water striders can walk on water due to
 - (a) Surface tension
 - (b) Strong feet
 - (c) Elastic tension
 - (d) Attraction between feet and water

Question 2

(A) Match the columns and rewrite them correctly.

[5]

	Column A		Column B
1	1 Calorie	1	Myopia
2	Concave lens	2	No unit
3	Silver	3	Hydroelectric energy
4	Water in a dam	4	Insulator
5	Relative density	5	Wind energy
		6	Conductor
		7	4.2 Joules



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(B) Fill	l up the blanks and rewrite the sentences:	[5]			
1.	The space around a magnet where its influence can be felt is called				
2.	protects buildings from the damage caused by lightning.				
3.	3. Water is used as a in thermal power stations.				
4.	4. A ray of light passing through of a lens passes undeviated.				
5.	The force of attraction between molecules of the same substance is ca	lled			
	·				
Quest					
	ate whether the following statements are true or false. Correct the false statement	and			
rev	write it.	[5]			
	. Earth is the largest planet of the solar system.				
2.	. In an electric motor, mechanical energy is converted into electrical energy.				
3.	Good conductors have excess of free electrons.				
4.	. Convex lenses are always tapering in the middle and thicker at their edges.				
5.	During vapourisation, temperature of a liquid remains const	ant.			
(B) Give reasons for the following: [5]					
1.	1. A gas can be easily compressed.				
2.	2. Dispersion of light occurs when it passes through a prism.				
3.	. Kilometre is not a convenient unit to measure distances in the universe.				
4.	4. A piece of tile or stone feels colder than a piece of wood, even though both are at the same temperature.				
5.	. A normal atom is electrically neutral though it contains charged particles like				
	electrons and protons.				
0	A				
Quest	10n 4				
(A)	Define	[2]			
1.	Define:	[2]			
	(a) Refraction of light				
	(b) Angle of refraction				
	(c) Angle of incidence	F07			
2.	Define surface tension. Give two examples where surface tension is seen.	[3]			
(B)					
	What is an electroscope? Name two kinds of electroscopes.	[2]			
	other. List any two properties of magnetic field lines.	[3]			
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Question 5

(A)

- 1. Differentiate between renewable and non-renewable sources of energy with one example for each. [2]
- 2. What is heat? State three factors on which the amount of heat gained or lost by a body depends. [3]

(B)

- 1. Write any six characteristics of matter and its constituent particles. [3]
- 2. State the uses of a convex lens. [2]

Question 6

(A)

- 1. Differentiate between: [3]
 - (a) Planets and satellites
 - (b) Stars and planets
- 2. Give two consequences of high latent heat of steam. [2]

(B)

- 1. Name the two factors on which buoyant force depends. State the relationship between the buoyant force on an object and the weight of a liquid displaced by it?

 [2]
- 2. Define the following: [3]
 - (a) Conduction
 - (b) Principal axis
 - (c) Valence electrons.

Question 7

(A)

- 1. A coil of insulated wire is connected to a galvanometer. What would be seen if a bar magnet brought towards one face of the coil is: [3]
 - (a) Moved quickly towards it? What does the change indicate?
 - (b) Moved quickly away from it?
 - (c) Name the phenomena involved and explain it.
- 2. State the characteristics of liquid pressure.

[2]

(B)

- 1. What are constellations? Name any three constellations. [2]
- 2. State the type of lens used to get a [3]
 - (a) Virtual and diminished image of an object
 - (b) Real and diminished image of an object Justify your answers in the above two cases by drawing ray diagrams.