
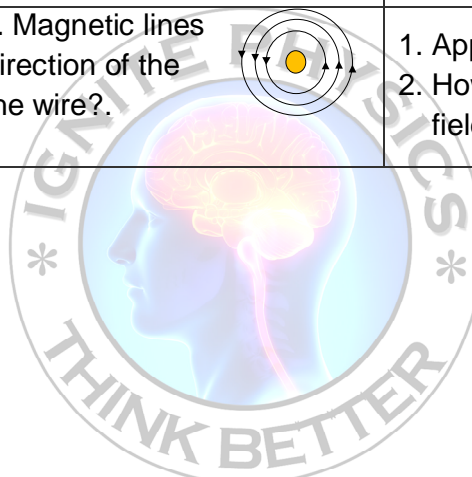


MAXIMUM PROBABILITY QUESTIONS LIST FROM PHYSICS FOR SSC MARCH 2017

Name of the lesson	AS-2 (Questioning/Prediction)	AS-6 (Daily life uses)
1. Heat	1. Hot coffee cools down after some time. Guess the reason. 2. Water on the floor disappears after some time. Guess the reason. 3. Your friend is unable to find difference between Evaporation and boiling. Ask some questions.	1. Uses of evaporation in daily life 2. Appreciate the role of specific heat 3. What role does specific heat play in keeping a watermelon cool for a long time after removing it from a fridge on a hot day? 4. If you are chilly outside the shower stall, why do you feel warm after the bath if you stay in the bathroom?
3. Reflection of Light	1. What happened if there are no mirrors ? Predict. 2. Concave mirror is not used as rearview mirror. Why ?	1. Uses of convex mirror and concave mirror 2. Appreciate the role of spherical mirrors 3. Why convex mirror used as rear view mirror ?
5. Refraction at Plane surfaces	1. Take a bright metal ball and make it black with soot in a candle flame. Immerse it in water. How does it appear and why? (Make hypothesis). 2. Predict some reasons that we can't shoot a swimming fish with out practice.	1. How do you appreciate the role of Fermat principle in drawing ray diagrams. 2. Why stars twinkling? 3. Why the objects behind fire appears swaying? 4. Why Diamonds glitters ? 5. Guess the situations that refractive ray doesn't deviate.
6. Refraction at Curved surfaces	1. Dinesh said, The convex lens made with glass behaves like concave lens when kept in water. What do you say ? 2. A convex lens is made up of three different materials. How many of images does it form? 3. Assertion (A): A person standing on the land appears taller than his actual height to a fish inside a pond. Reason (R): Light bends away from the normal as it enters air from water. Explain.	1. Uses of convex lens and concave lens

7. Human eye and Colourful world	1. Why sky is blue ? 2. Why sky is white on sunny day ? 3. Why Sun is red in mornings and evenings ?	1. Role of Ciliary muscles 2. What happened when white paper is stained with oil ?
11. Electric Current	1. Why does a bird can't get shock even it sit on an electric wire ? 2. Why Filament is made with Tungsten ? 3. Which material is used to make fuses ? Why it should be used ?	1. How to overcome the problem of over load of electricity i daily life? 2. How do you appreciate the role of fuse in houses ?
12. Electro-magnetism	1. Observe the figure given. Magnetic lines are shown. What is the direction of the current flowing through the wire? 	1. Applications of Faraday's law 2. How the world change due to relation between electric field and magnetic field.



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