

MAXIMUM PROBABILITY QUESTIONS LIST FROM PHYSICS FOR SSC MARCH 2017

Name of the lesson	AS-3 (Activities/Experiments – 4 Marks)	AS-5 (Diagrams/Figures – 4 Marks)
1. Heat	<ol style="list-style-type: none"> 1. Thermal equilibrium 2. Different substances have different specific heat Values 3. Finding Specific heat of solid lead shots 4. Factors effect the Rate of Evaporation 	<ol style="list-style-type: none"> 1. Thermal equilibrium 2. Different substances have different specific heat values
3. Reflection of Light	<ol style="list-style-type: none"> 1. Pin hole camera 2. Verification of Laws of reflection (Plane mirror) 3. Finding focal length of a concave mirror 4. Image distances for object at different places (Concave mirror) 	<ol style="list-style-type: none"> 1. Pin hole Camera 2. Finding focal length of a concave mirror 3. Useful rays to draw ray diagrams (Mirrors) 4. Ray diagrams for concave mirror / convex mirror
5. Refraction at Plane surfaces	<ol style="list-style-type: none"> 1. Relation between angle of incidence and refraction (From Rarer to Denser medium) 2. Relation between angle of incidence and refraction (From Denser to Rarer medium) 3. Observing Total internal reflection 4. Finding refractive index of a glass slab 	<ol style="list-style-type: none"> 1. Optical fiber – Total internal reflection 2. Refraction through Glass slab
6. Refraction at Curved surfaces	<ol style="list-style-type: none"> 1. Finding focal length of a convex lens 2. Image distances for object at different places (Convex lens) 3. Focal length of lens changes with respect to medium 	<ol style="list-style-type: none"> 1. Useful rays to draw ray diagrams (Lenses) 2. Ray diagrams for convex lens / concave lens
7. Human eye and Colourful world	<ol style="list-style-type: none"> 1. Finding refractive index of Prism 2. Formation of Rainbow in Class room (2 Activities) 	<ol style="list-style-type: none"> 1. Human eye - structure 2. Myopia – property – Correction 3. Hypermetropia – property – Correction 4. Refraction through Prism 5. Formation of Rainbow
11. Electric Current	<ol style="list-style-type: none"> 1. Experimental verification of Ohm's law 2. Resistance dependence upon Length /Area of cross section / Nature / Temperature 	<ol style="list-style-type: none"> 1. Experimental set up of Ohm's law / Graphs 2. Series / Parallel combination of Resistances
12. Electro-magnetism	<ol style="list-style-type: none"> 1. Oersted Experiment 2. Experiment to prove Faraday's law 	<ol style="list-style-type: none"> 1. Block diagram of Electric motor 2. Block diagram of A.C. Generator 3. Block diagram of D.C. Generator