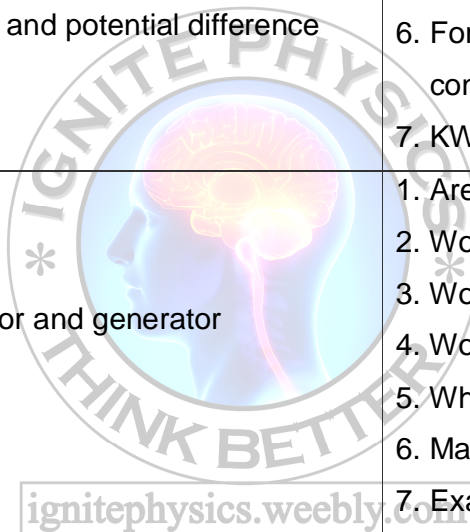


**MAXIMUM PROBABILITY QUESTIONS LIST FROM PHYSICS FOR SSC MARCH 2017**

Name of the lesson	AS-1 (Differences)	AS-1 (Understanding/Explanations/....)
<b>1. Heat</b>	<ol style="list-style-type: none"> <li>1. Differences between evaporation and boiling</li> <li>2. Differences between specific heat and latent heat</li> </ol>	<ol style="list-style-type: none"> <li>1. Examples of evaporation</li> <li>2. Why dogs panting during hot days ?</li> <li>3. Reason for water droplets formed on tomato when bring out from fridge</li> </ol>
<b>3. Reflection of Light</b>	<ol style="list-style-type: none"> <li>1. Differences between convex mirror and concave mirror</li> <li>2. Differences between real image and virtual image</li> </ol>	<ol style="list-style-type: none"> <li>1. Laws of reflection</li> <li>2. Sign convention rule</li> <li>3. Why convex mirror used as rear view mirror ?</li> <li>4. Magnification</li> </ol>
<b>5. Refraction at Plane surfaces</b>	<ol style="list-style-type: none"> <li>1. Differences between mirrors and lenses</li> </ol>	<ol style="list-style-type: none"> <li>1. Formation of mirages</li> <li>2. Critical angle</li> <li>3. Total internal reflection</li> <li>4. Which are not change in refraction</li> </ol>
<b>6. Refraction at Curved surfaces</b>	<ol style="list-style-type: none"> <li>1. Differences between Convex lens and concave lens</li> </ol>	<ol style="list-style-type: none"> <li>1. Taking photo of a zebra by placing stripes glass before lens of camera – Properties of image</li> </ol>
<b>7. Human eye and Colourful world</b>	<ol style="list-style-type: none"> <li>1. Differences between scattering and dispersion</li> <li>2. Differences between reflection and refraction</li> </ol>	<ol style="list-style-type: none"> <li>1. Explain Myopia – How to correct the defect ?</li> <li>2. Explain Hypermetropia – How to correct it ?</li> <li>3. Explain Presbyopia</li> <li>4. Lens power</li> <li>5. Formation of Rainbow in water drop</li> </ol>

<p><b>11. Electric Current</b></p>	<ol style="list-style-type: none"> <li>1. Differences between ohmic and non ohmic conductors</li> <li>2. Differences between series combination and parallel combination of resistors</li> <li>3. Differences between emf and potential difference</li> </ol>	<ol style="list-style-type: none"> <li>1. Working of battery</li> <li>2. Laws of resistance (<math>R = \frac{\rho L}{A}</math>)</li> <li>3. Electric shock</li> <li>4. Kirchoff's junction law and loop law</li> <li>5. Formula for resultant resistance when three resistors are connected in series</li> <li>6. Formula for resultant resistance when three resistors are connected in parallel</li> <li>7. KWH</li> </ol>
<p><b>12. Electro-magnetism</b></p>	<ol style="list-style-type: none"> <li>1. Differences between motor and generator</li> </ol>	<ol style="list-style-type: none"> <li>1. Are magnetic lines of forces closed ?</li> <li>2. Working of Motor</li> <li>3. Working of A.C. Generator</li> <li>4. Working of D.C. Generator</li> <li>5. What happened when bar magnet kept neat a TV ?</li> <li>6. Magnetic flux density – Units</li> <li>7. Examples for transformation of energy</li> </ol>



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