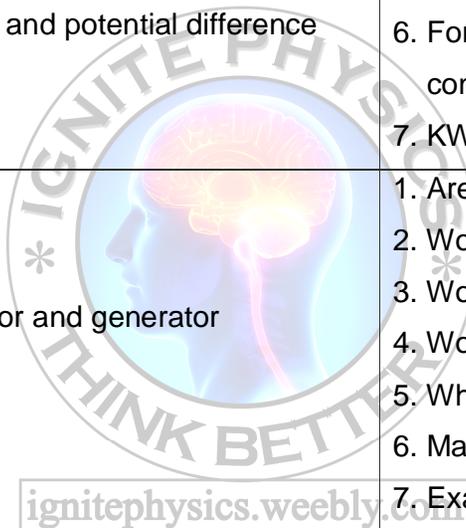


MAXIMUM PROBABILITY QUESTIONS LIST FROM PHYSICS FOR SSC MARCH 2017

Name of the lesson	AS-1 (Differences)	AS-1 (Understanding/Explanations/....)
1. Heat	1. Differences between evaporation and boiling 2. Differences between specific heat and latent heat	1. Examples of evaporation 2. Why dogs panting during hot days ? 3. Reason for water droplets formed on tomato when bring out from fridge
3. Reflection of Light	1. Differences between convex mirror and concave mirror 2. Differences between real image and virtual image	1. Laws of reflection 2. Sign convention rule 3. Why convex mirror used as rear view mirror ? 4. Magnification
5. Refraction at Plane surfaces	1. Differences between mirrors and lenses	1. Formation of mirages 2. Critical angle 3. Total internal reflection 4. Which are not change in refraction
6. Refraction at Curved surfaces	1. Differences between Convex lens and concave lens	1. Taking photo of a zebra by placing stripes glass before lens of camera – Properties of image
7. Human eye and Colourful world	1. Differences between scattering and dispersion 2. Differences between reflection and refraction	1. Explain Myopia – How to correct the defect ? 2. Explain Hypermetropia – How to correct it ? 3. Explain Presbyopia 4. Lens power 5. Formation of Rainbow in water drop

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



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