DIKSHA INTERNATIONAL SCHOOL, SABOUR, BHAGALPUR

Affiliated to C.B.S.E, Delhi
Important Questions

Class – Xth **Subject – Physics**

ELECTRICITY

This suggestion contains important topics related question.
1. Define electric potential and potential difference.
2. Basic structure of voltmeter and ammeter.
3. State ohm's law with its verification through graph.
4. Define resistivity and resistance. State factor affecting the resistance.
5. State power and commercial unit of electrical energy.
6. What is heating effect of electric current.
7. Explain series and parallel combination of D.C circuit.
8. Different formula related to power.

MAGNETIC EFFECT OF ELECTRIC CURRENT

1.What is magnetic field and properties of magnetic field lines.
2. What is Fleming left hand rule for dir of force?
3. What is Fleming right hand rule for dir of induced current?
4. Explain the working of electric motor. Or Electric generator.
5. Explain short-circuit and overloading.
6. What is electric fuse and its functions?
7. What is electro-magnetic induction?

SOURCE OF ENERGY

1. What is non-renewable source and Renewable source of energy.
2. What should be the property of good fuel?
3. What is calorific value?
4. What is fossil fuel? Explain with example.
5. What (LPG and CNG) is petroleum gas and natural gas? What is its advantages?
6. What is alternative source of energy. Give an example.
7. What is hydroelectricity. Give its advantage & disadbantages.
8. Explain the structure and function of Biogas plant.
9. Explain the type of Nuclear energy. Or Explain the nuclear fission and nuclear fusion.
10. What is advantage and disadvantage of nuclear energy?
11. What steps should be taken to reduce energy consumption.

REFLECTION OF LIGHT

1. What is law of reflection?
2. Draw a ray diagram of convex mirror and concave mirror. Show the following position principal focus. Centre of curvature , pole, aperture and focal length.
3. State the law or rule to obtain the image when spherical mirror is used.
4. Uses of concave and convex mirror.
5. How we will distinguish the plane, concave and convex mirror?

REFLECTION OF LIGHT

1. What are causes of refraction?
2. Write down rules of refraction.
3. Write law of refraction of light or Snell's law.
4. What is relative RI and absolute R.I?
5. What is Relative RI and absolute R.I
6. Write rules for obtaining image by Convex lenses.
7. What are uses of convex lenses?
8. How we will distinguish between convex lens and concave lens.
9. What are uses of concave lens?
10. What is power of lens? Power of two combined lens of power P_1 & P_2.
11. Explain remedes of myopia or Hypermetropia.
12. What is dispersion?
13. Explain the function of rainbow.
14. What is scattering of light.
15. Why sun appears red during sunset and sunrise?