Summer Vacation Home Work 2016-17
Class- X  Subject- Physics

1. Name an instrument that measures Potential difference in a circuit.
2. What is meant by saying that the potential difference between two points is 1V?
3. What do you mean by 1 ampere current?
4. How many electrons does 10 C charge contain?
5. How much current will an electric heater draw from a 220 V line if the resistance of heater is 44 ohms?
6. Calculate the amount of charge that passes a given point of wire in 1 minute if 0.5 ampere current is flowing through the wire?
7. 50 J of work is required for moving a charge of 4 C in an electric field from one point to another. Calculate the potential difference between these points?

Multiple Choice Questions-
8. The unit of Potential difference is
   (i) J/C (ii) J x C (iii) Ampere (iv) Volt/ Ampere
9. The unit of resistance is
   (i) Ampere (ii) Volt/ Ampere (iii) Ohm (iv) (ii) & (iii) both
10. Name of the device which measures rate of flow of charge is
    (i) Voltmeter (ii) Speedometer (iii) Ammeter (iv) Odometer

SUBJECT-CHEMISTRY
1. Why do we apply paint on iron articles?
2. What are oxidation and reduction?
3. Why is respiration considered an exothermic reaction?
4. Explain the following terms with example?
   (a) Displacement reaction   (b) Double displacement reaction.
5. Balance the following chemical equation.
   a) C6H12O6 + O2 -----------→ CO2 + H2O
   B) Fe + H2O ------------→ Fe2O3 + H2
   C) Na + O2 ------------→ Na2O
6. Explain the following terms with example?
   a) Corrosion  b) Rancidity
7. Can Copper sulphate store in silver container if yes explain it?

SUBJECT: BIOLOGY  CLASS-X(A,B)
1. How do autotrophs obtain co2 and N2 to make their food?
2. What is the role of acid in our stomach?
3. Where do plants gate each of the raw material required for photosynthesis?
4. Explain the process of nutrition in Amoeba.
5. Mention the site of complete digestion in our body. Name the end products formed on complete digestion of carbohydrates proteins and fats.
6. Draw labelled diagram of:
   a. Internal structure of human heart.
   b. The human alimentary canal.
   c. The human respiratory system.
   d. The human excretory system.
7. Home work, Class work complete and lesson read learn well.