

### I Choose the correct answer

- The eye defect 'Presbyopia' can be corrected by :  
a. Convex lens    b. Concave lens    c. Convex mirror    d. Bifocal lenses.
- The value of Avogadro number is \_\_\_\_\_/mol.  
a.  $6.023 \times 10^{-23}$     b.  $6.024 \times 10^{24}$     c.  $6.023 \times 10^{23}$     d.  $6.024 \times 10^{-24}$
- Identify the non-aqueous solution  
a. Sodium Chloride in water    b. Glucose in water  
c. Copper sulphate in water    d. Sulphur in Carbon di sulphide.
- An electric heater of  $5 \Omega$  is connected to an electric source. If a current of 6 A flows through the heater, find the amount of heat produced in 5 minutes.  
a. 48000 J    b. 54000 J    c. 45000 J    d. 84000 J
- $\text{C}_2\text{H}_5\text{OH} + 3 \text{O}_2 \longrightarrow 2\text{CO}_2 + 3\text{H}_2\text{O}$  is :  
a. Reduction of ethanol    b. Combustion of ethanol  
c. Oxidation of ethanoic acid    d. Oxidation of ethanol
- How much work is done in moving a charge of 2C across two points having a potential difference 10 V?  
a. 5 J    b. 20 J    c. 0.2 J    d. 2 J

### II Match the following:

1. Polyvinyl Chloride	i. Affects brain development in children
2. Cadmium	ii. Affects the growth of reproductive system
3. Lead	iii. Asthmatic bronchitis
4. Chromium	iv. Neural damage