



## Vidyalankar Foundation Test (Std. VIII) : Sample Questions

### Section I : Mathematics

- $\sqrt{1089} =$   
(A) 23                      (B) 43                      (C) 31                      (D) 33
- Four-fifths of a number is greater than three-fourths of the number by 4. The number is  
(A) 12                      (B) 64                      (C) 80                      (D) 102

### Section II : Science (Physics, Chemistry & Biology)

- According to the laws of reflection,  
(A) the angle of incidence is equal to the angle of reflection.  
(B) the incident ray, the reflected ray and the normal are in the same plane.  
(C) the incident ray and the reflected ray lie on either side of the normal.  
(D) All the above
- Heat flow from one body to another body stops when both bodies attain equal \_\_\_\_\_.  
(A) temperature              (B) heat energy              (C) mass              (D) volume
- Atoms have no electric charge because they  
(A) have an equal number of charged and non-charged particles.  
(B) have neutrons in their nuclei.  
(C) have an equal number of neutrons and protons.  
(D) have an equal number of electrons and protons.
- What is the periodic law?  
(A) The properties of the elements repeat periodically in order of their increasing atomic masses.  
(B) The properties of the elements repeat periodically in order of their increasing atomic numbers.  
(C) The properties of the elements repeat periodically in order of their increasing atomic volumes.  
(D) The properties of the elements repeat periodically in order of their increasing atomic densities.
- What is the last step involved in respiration?  
(A) Diffusion of gases  
(B) Breathing  
(C) Utilisation of  $O_2$  by body cells and resultant release of  $CO_2$   
(D) Transport of gases
- Agents that bring about an undesirable change in physical, chemical or biological characteristics of air, land, water or soil are called as :  
(A) Contaminants                      (B) Adulterants  
(C) Pollutants                      (D) Carcinogens

**Section III : Information Technology (IT)**

9. Arrange the given words in dictionary alphabetical order and choose the word which comes in the middle.

- (a) credential      (b) creed      (c) colour      (d) credible      (e) create  
(A) (a)                      (B) (e)                      (C) (b)                      (D) (d)

10. Select the combination of numbers so that the letters arranged accordingly will form a meaningful word.

- |   |   |   |   |   |   |
|---|---|---|---|---|---|
| I | P | E | C | L | O |
| 1 | 2 | 3 | 4 | 5 | 6 |
- (A) 265143                      (B) 651432                      (C) 265134                      (D) 261543

