

Annual Examination – April 2011

Set - II

Class : VIII
Total Marks: 50

Roll Number _____
Section: A & B

Subject: Physical Science
Time: 2 ½ Hrs

Time: 0.30 Hrs

Section – B :

15 Marks

I Fill up the blanks

10 x ½ = 5 Marks

- 1) The distance travelled by light ray in one year in vacuum is _____
- 2) Scalars means _____
- 3) In Longitudinal propagation of waves, the atoms present in the medium vibrate in _____ direction.
- 4) Sound waves cannot travel through _____
- 5) When light rays falls on a smooth surface, the angle of reflection is _____
- 6) Rusting of Iron is an example for _____ reaction.
- 7) $N_2 + 3H_2 \longrightarrow$ _____.
- 8) _____ is added to increase electric conductivity of water
- 9) Catalyst used in Hydrogenation of oils is _____
- 10) Expand TNT _____

II Choose the correct answer

10 x ½ = 5 Marks

- 11) The right sentence is ()
 - (a) North and South poles repel
 - (b) North pole attracts North Pole
 - (c) Not possible to separate (Isolate) **N** and **S** poles
 - (d) Natural magnets are more powerful than Artificial Magnet.
- 12) Vertical Image is formed due to ()
 - (a) Converging beam of light rays
 - (b) Parallel beam of light rays
 - (c) Diverging beam of light rays
 - (d) Any of the above

- 13) When sound waves travel in air ()
(a) Molecules travel from one place to another place
(b) Molecules are at rest
(c) Molecules vibrate to and fro around fixed point
(d) Molecules vibrate perpendicular to the direction of motion
- 14) Select the odd substance ()
(a) Chromium ; (b) Cobalt ; (c) Nickel ; (d) Steel.
- 15) Which of the following is a Chemical Reaction ()
(a) Salt dissolved in Water
(b) Boiling of Water
(c) Rusting of Iron
(d) Converting water to ICE
- 16) Acids release ()
(a) Oxygen; (b) Hydrogen; (c) Nitrogen; (d) Argon
- 17) Example for Chemical Decomposition ()
(a) $3\text{H}_2 + \text{N}_2 \rightarrow 2\text{NH}_3$ (b) $\text{S} + \text{O}_2 \rightarrow \text{SO}_2$
(c) $2\text{H}_2\text{O}_2 \rightarrow 2\text{H}_2\text{O} + \text{O}_2\uparrow$ (d) $2\text{KmnO}_4 \rightarrow \text{K}_2\text{MNO}_4 + \text{MNO}_2 + \text{O}_2\uparrow$
- 18) NaoH reacts with Hcl to produce NaCl and water. This reaction is ()
(a) Chemical Combination (b) Chemical decomposition
(c) Chemical Displacement (d) Double Decomposition
- 19) The element responsible for 'Phossy Jaw' disease ()
(a) Sulphur (b) Phosphorus
(c) Chlorine (d) Calcium
- 20) Liquid used in Lechlanche cell is ()
(a) Ammonium Chloride (b) Potassium Dichromate
(c) Sulphuric Acid (d) Nitric Acid

III Match the following

6 x 1/3 = 3 Marks

- | | | |
|----------------------------------|-----|------------------------------------|
| 1. Sound waves | [] | (a) H ₂ SO ₄ |
| 2. Waves produced in metal wires | [] | (b) HNO ₃ |
| 3. Light Waves | [] | (c) Longitudinal Waves |
| 4. Nitric Acid | [] | (d) NH ₃ |
| 5. Sulphuric Acid | [] | (e) Transverse Waves |
| 6. Ammonia | [] | (f) NaCl |
| | [] | (g) Electromagnet |

IV Identify the parts given in the following diagrams

4 x 1/2 = 2 Marks

Bell Jar Experiment	
	<p>1. _____</p> <p>2. _____</p>
Manufacture of Liquid Air	
	<p>1. _____</p> <p>2. _____</p>
