**CLASS VI SCIENCE SA-1(SET B) ANSWER KEY**

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| **Q.No**  **Sec-A** | **Answer** | **Marks** |
| 1] | It aligns itself in north-south direction. | 1 |
| 2] | They are made of chemicals and catch fire very easily. | 1 |
| 3] | The hair in the nose trap dust particles and mucus traps the germs. | 1 |
| 4] | Wooden handles, as they are bad conductors or insulators of heat. | 2 |
| 5] | The plant will die as the roots help in absorbing water and minerals for the plant | 2 |
| 6] | Fibres that are made from chemicals in the factory, nylon, rayon, acrylic etc. | 2 |
| 7] | No, as soluble solids cant be separated by sieving. The solution will pass through the sieve. | 2 |
| 8] | When high tide comes, water gets collected in shallow pits(lagoons). Water is allowed to evaporate by the heat of the sun. The crystals of salt can be collected from the pits. | 3 |
| 9] | Wood is combustible material. It will burn when it contacts with fire. Handles can be made of wood as it is a bad conductor of heat. | 3 |
| 10] | Metsl key sinks, football floats.  Meta key is magnetic, football is not magnetic.  Metal key good conductor of heat, football bad conductor of heat. | 3 |
| 11] | D:\DEC 2015\Oct-2015\SEPT 15\Recycle Bin\AUG 2014\GETTING\flower.jpg | 3 |
| 12] | Burning of leaves, release carbon dioxide which leads to global warming.  Chimneys of factories release smoke and toxic gases in the atmosphere.  Exhaust of automobiles adds harmful gases and particulate matter to the air. | 3 |
| 13] | Pebbles- handpicking  Tea leaves and mud by mixing them in water, tea leaves; float can be separated by sieving. mud settles down, can be separated by sedimentation and decantation. | 3 |
| 14] | Farming of patsun plant-Collection of stems-retting-combing-carding-spinning-dyeing-weaving  With explanation in one lines. | 3 |
| 15] | Setup A doesn’t have potted plant, setup B as potted plant.  Transpiration- the process of evaporation of water into water vapour through stomata from the leaves. |  |
| 16] | Wind mills are used for generating electricity.  Wind energy used in movement of yachts and boats.  Wind energy is used | 3 |
| 17] | Venation  Leaf A-reticulate, leaf B- parallel | 3 |
| 18] | Sugar and flour can be separated by sieving.  We should help our elders and use the information gained in class to make our life easy. | 3 |
| 19] | Winnowing- the process of separating lighter husk particles from heavier grains by the movement of wind.  Bits of paper can be separated from heavier coins.  Pulses and water. Pulses are soluble in water.  Tea leaves in water. Tea leaves are insoluble in water. | 2+3 |
| 20] | A,B-cotton  Ginning-the process of separating cotton fibres from seeds.  Spinning- the process of converting fibres into yarn.  Two conditions- black soil, warm climate, moderate rainfall. | 3+2 |
| 21] | Plastic and cloth bag. They are flexible and easy to carry.  No, metal is a hard material, heavy to carry, isn’t flexible. It might bruise the vegetables. | 2+2+1 |
| 22] | X-roots  The roots absorbs the water and minerals from the soil.  They anchor the plant in the soil. It helps the plant to stand upright. | 2+3 |
| 23] | Image result for composition of air.  Carbon dioxide- it is used in photosynthesis.  Oxygen-it is used for breathing.  Nitrogen- it is filled in food packets and taken up by plants through roots. | 2+3 |
| 24] | Magnet is a substance that attracts materials like aluminium, nickel, cobalt and iron.  Magnetizing an iron bar. | 1+1+3 |
| 25] | Decantation | 1 |
| 26] | Speed | 1 |
| 27] | Weaving | 1 |
| 28] | Handpicking | 1 |
| 29] | Petals | 1 |
| 30] | Air, water | 1 |
| 31] | Size | 1 |
| 32] | Transports water | 1 |
| 33] | All of these. | 1 |
| 34] | Sailors and navigators use magnetic compass to know the directions and find places. If a magnet is brought near it, it will not show correct directions and deflect. | 2 |
| 35] | Takli used for spinning. | 2 |
| 36] | Space inside the bottle was occupied by air. That’s why the water was unable to move in upside down position.  Property- Air occupies space. | 2 |