MARKING SCHEME

**INTEGRATED SCIENCE.**

**1.** **Flammable material**

**2.** **Pipette, syringe, burette, graduated conical flask, Volumetric flask, graduated beaker, graduated measuring cylinder**

**3.** **(a) Bunsen burner**

1. **A - chimney B - Collar C - Gas inlet D - Base**

**4.** **- Allows seeds to germinate**

* **Used by all animals in breathing**
* **Supports burning**
* **Allow food substances in the body to be broken down to release energy**

**5.** **- Fixing leakages**

* **Re- using**
* **Re-cycling**
* **Using sparingly**

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| **6.** | **Part of the male reproductive** | | **Function** |
|  | **System** |  |  |
|  | **Testicles** |  | **Produces sperms** |
|  | **Penis** |  | **Deposits sperm in the female** |
|  |  |  | **vagina** |
|  | **Urethra** |  | **Transports sperms and urine** |
|  |  |  | **out of the body** |
| **7. - Vertebrates-cow, goat, sheep etc** | | |  |
|  | **- Invertebrates- Snail, ticks, slug, millipede, centipede, spiders,** | | |
|  | **insects** |  |  |
| **8.** | **(a) Capillaries** | **(b) Have thin walls** | |

* **Have a narrow opening**
* **Found all over the body**
* **Connect arteries and veins**

|  |  |  |  |
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| **9. Donors blood group** | **Recipient A** | **Recipient B** | **Recipient AB** |
| **A** | **Safe** | **Unsafe** | **Safe** |
| **B** | **Unsafe** | **Safe** | **Safe** |
| **AB** | **Unsafe** | **Unsafe** | **Safe** |

**10. - A transparent material is one that allows light to pass through it completely, without scattering or diffusing the light rays.**

**- Mirror and Glass Window**

**11. Fulcrum: The rod of the lever rests on it and the lever rotates about it.**

**Load: The weight lifted by the liver is called the load.**

**Effort: The force applied on the other end of the rod to lift the load is called the effort**

**12. Electric wires hang loosely so that on a cold day, they do not contract and snap.**

**13. The maize plant had a brunch of fibrous roots that came directly from the stem while the bean plant had a main root with smaller roots that come out of it and spread out.**

**14. - Avoiding spills near the computer to prevent liquid damage. - Using a surge protector to protect the computer from power**

**surges.**

* **Keeping food and drinks away from the computer to prevent spills and crumbs.**
* **Using antivirus software to protect against malware and viruses.**
* **Regularly backing up important files to prevent data loss.**
* **Keeping the computer clean and dust-free to prevent overheating.**
* **Using strong passwords and avoiding sharing personal information online.**
* **Being cautious when clicking on links or downloading files from unknown sources to avoid malware infections.**
* **Turning off the computer properly to prevent data corruption. 15. Oxygen- 21%**