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
   (b) 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
6.

Part of the male reproductive System	Function
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
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%