

**NATURAL SCIENCES AND TECHNOLOGY CONTROL TEST
DEGREE 5
JUNE 2024
MEMORANDUM**

TOTAL: 50

QUESTION 1

- 1.1 A ✓✓
 1.2 B ✓✓
 1.3 D ✓✓
 1.4 C ✓✓
 1.5 C ✓✓

(5 × 2) = **[10]****QUESTION 2**

- 2.1 Endangered species ✓
 2.2 Joint ✓
 2.3 Seedling ✓
 2.4 Life cycle ✓
 2.5 Main organs ✓

(1)

(1)

(1)

(1)

(1)

[5]**QUESTION 3**

- Frog – carnivore ✓
 Tortoise – omnivore ✓
 Monkey – herbivore ✓
 Seal – carnivore ✓
 Kangaroo – herbivore ✓

(1)

(1)

(1)

(1)

(1)

[5]**QUESTION 4**

- 4.1 Alloy ✓ (1)
 4.2 Buyer, ✓ Gold, ✓ Iron, ✓ Silver, Aluminum (any three appropriate answers) (3)
 4.3 Plating is when cheaper metals ✓ with 'a thin layer of 'a other, more valuable metal ✓ covered, e.g. galvanized sheets, ✓ coins, medals, etc. (any appropriate example) (3)
 4.4 Three ✓ (1)
 4.5 Rust is 'a slow chemical reaction of iron with oxygen. ✓ (1)
 4.6 • Spray with oil ✓
 • Paint
 • Spray with rustproof middle
 • Plate with another metal (any one) (1)

[10]

QUESTION 5

- 5.1 Clay pots ✓
Bricks ✓
Huts, thatched roofs and screens Braiding and weaving
Paint of houses (any two) (2)
- 5.2 Grass and/or reeds ✓ (1)
- 5.3 Clay pots is made about:
• water on to wear; ✓
• beer to brew; ✓
• various kinds food to mountain; ✓
• food and liquor to serve;
• to serve as works of art. (any three) (3)
- 5.4 The Ndebele ✓ (1)
- 5.5 Concrete is strong, ✓ hard, ✓ durable, waterproof, fireproof. (any two) (2)
- 5.6 Sustainable means that 'a product tall can keep. ✓ (1)
- [10]**

QUESTION 6

- 6.1 Shiny surface area ✓ – as it clean is shiny 'a metal say surface. ✓
Hard and strong ✓ – metals bird hard and is strong. ✓
Collapsible ✓ – metals can in different shapes bent or in plates beaten become without about to break.
Stretchable ✓ – metals can in long, thin wires stretched become without about to break.
Melt at how temperatures – metals can to how temperatures heated become without that it melt or change shape.
Conductors – metals can conduct heat and are called thermal conductors. Metals can conduct electricity and are called electrical conductors. (any four, plus two descriptions) (6)
- 6.2 Brittle ✓ (2)
- Faint ✓ (1)
- 6.3 No ✓ (1)
- 6.4 Solids ✓ (1)
- [10]**

TOTAL: 50