

MEMORANDUM

Grade 7 Natural Sciences – Term 1 Test

Total: 60 Marks

SECTION A

QUESTION 1: Multiple Choice ($10 \times 1 = 10$)

1.1 A

1.2 D

1.3 B

1.4 A

1.5 A

1.6 B

1.7 A

1.8 B

1.9 C

1.10 B

QUESTION 2: True/False ($5 \times 1 = 5$)

2.1 False

2.2 True

2.3 False

2.4 False

2.5 False

QUESTION 3: Matching ($5 \times 1 = 5$)

Column A

Column C

3.1

E

- 3.2 C
- 3.3 A
- 3.4 F
- 3.5 B

SECTION B

QUESTION 4: The Biosphere (Total: 5)

- 4.1 The biosphere is the part of Earth where all living organisms exist. (1)
- 4.2 1: Atmosphere; 2: Lithosphere; 3: Hydrosphere (3)
- 4.3 Hydrosphere; 3 (1)

QUESTION 5: Diversity of Animals (Total: 8)

- 5.1.1 Earthworm (1)
- 5.1.2 Annelida (1)
- 5.1.3 Invertebrate – because it does not have a backbone (2)
- 5.2 Vertebrates have a backbone, invertebrates do not. (2)
- 5.3 Any two: Mammals, Birds, Amphibians, Reptiles, Fish (2)

QUESTION 6: Diversity of Plants (Total: 8)

- 6.1 Angiosperms produce seeds inside fruits; gymnosperms produce seeds in cones. (2)
- 6.2 Comparison Table:

Feature	Monocotyledons	Dicotyledons
Leaves	Parallel veins	Network of veins
Root system	Fibrous roots	Taproot system
Flowers	Petals in multiples of 3	Petals in multiples of 4/5

QUESTION 7: Sexual Reproduction in Angiosperms (Total: 10)

- 7.1.1 The stamen is the male part of a flower; it produces pollen for reproduction. (4)
- 7.1.2 The pistil is the female reproductive part; it receives pollen and allows fertilization to occur. (2)
- 7.2.1 Pollination (1)
- 7.2.2 Wind, insects, water (any three valid answers) (3)

QUESTION 8: Human Reproduction (Total: 9)

8.1.1 Female reproductive system (1)

8.1.2 1: Ovary; 3: Uterus (2)

8.1.3 Condoms prevent pregnancy by stopping sperm from reaching the egg. (2)

8.2 Teenage pregnancy can affect education, health, and social life. Prevention includes sex education, use of contraceptives, and counseling in schools. (4)

GRAND TOTAL: 60 MARKS

COGNITIVE LEVEL TABLE

Cognitive Level	Description	Question Numbers	Marks
Level 1: Knowledge (Recall)	Recall of facts, terms, basic concepts	Q1 (MCQs), Q2 (True/False), Q3 (Matching), 4.1, 4.2, 5.1, 5.3, 6.2, 8.1.1, 8.1.2	36
Level 2: Understanding	Explain ideas/concepts; interpreting or summarizing	4.3, 5.2, 6.1, 7.1.1, 7.1.2, 8.1.3	14
Level 3: Application/Analyses	Use information in new situations; reasoning or analysis	7.2.1, 7.2.2, 8.2	10

Summary

- Level 1 (Recall): 36 marks (60%)
- Level 2 (Understanding): 14 marks (23%)
- Level 3 (Application/Analysis): 10 marks (17%)
- Total: 60 Marks