

**MEMO: NS-TECH JUNE EXAM 2018**

**KNOWLEDGE STRANDS – LIFE AND LIVING**

**MATTER AND MATERIAL**



MODERATED  
MF

Lower level questions – 20 Marks

Middle level questions – 14 Marks

High order questions – 6 Marks

*14/6/18*

Question

Answers

Level

Question	Answers	Level
<b><u>Question 1 – Multiple Choice</u></b>		
1.1 Everything around us is made up of	D - Living & non-living things ✓	1
1.2 Which of the following looks dead but can be revived	C – Seed ✓	1
1.3 The function of a leaf on a plant is to	<del>C</del> – Make food ✓	1
1.4 Which of the following is not a structure of an animal	B – Backbone ✓	1
1.5 A habitat is a	D – Home for a plant or animal ✓	1
<b>5 Marks</b>		
<b><u>Question 2 – Answer True or False</u></b>		
2.1 Most animals have a brain	False ✓	1
2.2 Some living things do not have senses	False ✓	1
2.3 A peacock uses its tail to protect itself	False ✓	1
2.4 Some structures are built to contain and protect	True ✓	1
2.5 A water tower is built to span a gap	False ✓	1
<b>5 Marks</b>		

**Question 3.1**

State whether the following are examples of a solid, liquid or gas.



A



B



C

Image A = Solid ✓  
 Image B = Liquid ✓  
 Image C = Gas ✓

1  
1  
1

3.2 Decide whether each statement describes the properties of a liquid, solid or gas. Place a tick in the column you have chosen.

Solid	Liquid	Gas
A ✓	C ✓	D ✓
B ✓	E ✓	

8 Marks

1  
1  
1  
1  
1

**Question 4**

Complete the water cycle by filling in the correct missing words

Step 1 = Precipitation ✓  
 Step 2 = Collection ✓  
 Step 3 = Evaporation ✓  
 Step 4 = Condensation ✓

2 Marks

1  
1  
1  
1

Total: 20 Marks

**Question 5**

When you want to build a bridge you follow the Technology process. List down the five (5) steps of a Technology process

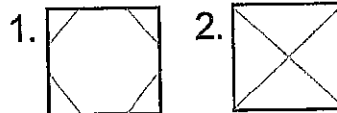
1. Investigate ✓
2. Design ✓
3. Make ✓
4. Evaluate ✓
5. Communicate ✓

5 Marks

1  
1  
1  
1

**Question 6**

Use a brace and a strut to strengthen the following shapes



Brace

Strat

- One on each shape is acceptable

2  
2

2

**Question 7**

Structures have four kinds of functions. What are these functions (jobs)

- 3. Folding-roof, paper ✓ 2
- 4. Tubing-poles, pillars, chairs, tables ✓ 2
- 5. Triangulation-Towers, bridges, pylons ✓ 2

5 Marks

- 1. Contain ✓
- 2. Protect ✓
- 3. Support ✓
- 4. Span a gap ✓

5 Marks

Total: 14 Marks

**Question 8**

Explain the meaning of the following words

- 1. Raw material is a material that has not been processed ✓
- 2. Manufactured material is material that has been made into something usable ✓
- 3a. Paper is manufactured ✓
- 3b. It has been made from wood ✓

3a. Is paper raw or manufactured

3b. Draw a bar graph using the following, feathers, coins, glass, sand, plastic, wood, jersey, boots

8		
7		
6	✓	
5	Boots	✓
4	Jersey	
3	Plastic	Wood
2	Coins	Sand
1	Glass	Feathers

Manufactured

Raw

6 marks

Grand total: 40 marks