





#### TOM NEWBY SCHOOL EXAMINATION

Subject	NS/TECH	Examiner	MS MPESU	
Date	15 JUNE 2016	Total marks	40	
Session	2	Duration	1 HOUR	
Grade	4	Moderator	MRS FOURIE	
Special ins	structions/			
Equipment	t l			

This NS/Tech Exam has been compiled using notes and information contained in the Tom Newby School book. The marking memorandum has been compiled accordingly. While alternative responses will be given due acknowledgement, the official memorandum will be considered a priority document to ensure uniformity of marking. Up to 10% of the total mark allocation may be deducted for spelling and grammatical errors, except in the case of Language papers, where deductions are made according to a memorandum.

Name and Surname:	Grade: 4		
INSTRUCTIONS:			



- 1. Read and answer all questions carefully!
- 2. Do not leave answers out

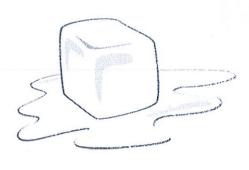
# QUESTION 1:

Choose one correct answer from the options provided and circle it:

- Everything on Earth is made up of.... 1a)
  - A) Water
  - B) Living things
  - (C) Matter
    - D) Material
- 1b) Examples of solid materials are....
  - A) Steam from a hot bath
  - B) Water from rain
  - C Stones from the garden
  - D) Noise from the radio



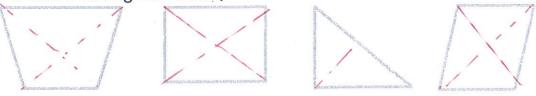
- (A) Definite shape
- B) Different shapes
- C) Properties
- D) Mass



1d) (	A) M B) So C) St	u put water int elt olidify ay a liquid urn into gas	o a freezer, it	will			
1e)	to a s A) Co B) Ev C) Pr	t do we call the state of gas ondensation vaporation recipitation elting	2	en water changes f	rom a liquid state		
						(5)	
Look		e pictures of		ostances below. V e correct column.			
	77						
2a)							
101		stance	Solid	Liquid	Gas		
		a glass					
		of juice					
	one	or juice					
	idle fla	ame					
2b)		ain the flowing		tates of matter:	a liquid	(5)	
	ii)	Solidifying	from d	liquid to	a solid	_	
	iii)	Evaporation	Storm o	a liquid to	o a gas		
2c)	Give	ve an example of a substance that can be found in 3 states of matter.					
2d)	Which state of matter does not take up definite space?						
						(5)	

### **QUESTION 3:**

a) Look at the following shapes and draw, in the shapes, lines to show how you would strengthen them.

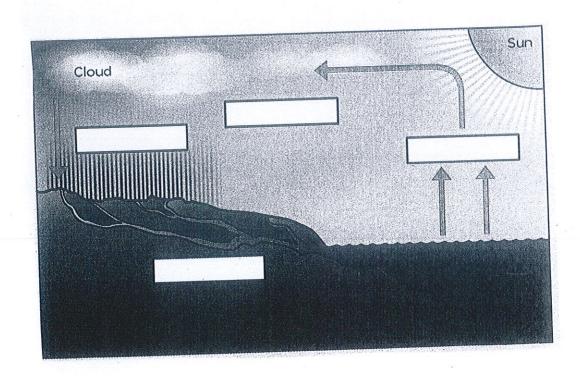


- c) Write down the five steps of the Technology process:
  - 1) Investigate
  - 2) design
  - 3) make
  - 4) evaluate
  - 5) communical

(10)

# **QUESTION 4:**

Study the picture of a water cycle below and answer the question that follow

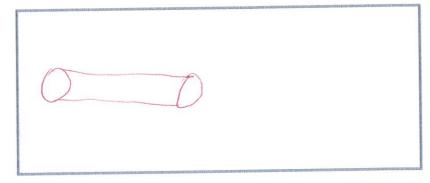


4a)	Where does the heat that makes water evaporate from rivers, lakes and dams come from?	(4)
4b)	Where does the evaporated water go?  Into the atmosphere unto the sky	(1)
4c)	What happens to the water vapour after if condenses?	(1)
4d)	How does the water that evaporated get back to earth?	(1)
4e)	Explain how hail or snow is formed  It gets very cold up in the atmosphere the water freezes.	(1)
QUE	ESTION 5:	(1) (5)
9	xplain the difference between raw and manufactured materials and ive one example for each  Raw material is material that has not be processed eg soil leather wood manufactured material is material that has been processed eg sumiture, glass	(4)
b	What is a shatterproof glass?  A glass that does not break easily	
С	Where do we find this kind of glass?  Stiding doors   some wind Screen's	(1)

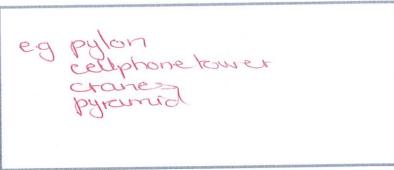
# **QUESTION 6:**

Draw and label the following methods of strengthening structures.

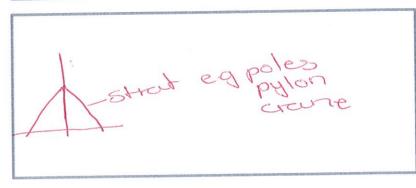
a) Tubing



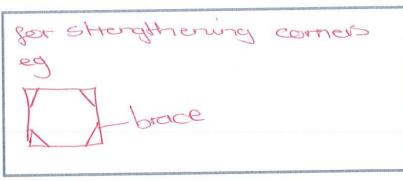
b) Triangulation



c) Strut



d) Brace





(4)