

KULLEGG SAN BENEDITTU Secondary School, Kirkop

Mark

HALF YEARLY EXAMINATION – 2015/2016

CCP

FORM 3

SCIENCE & TECHNOLOGY

TIME: 1h

Question	1	2	3	4	5	6	7	8	Global Mark
Max. Mark	4	5	5	6	2	2	2	4	30
Mark									

Instructions to students:

Answer ALL questions in the spaces provided on the Exam Paper.

DO NOT WRITE ABOVE THIS LINE

Name: _____

Class: _____

Strand 1 – The Physical World

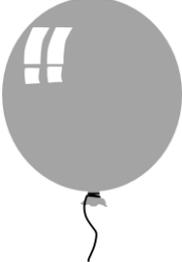
Exercise 1: Answer these questions about **GOLD** with **yes** or **no**:



- i) Does it conduct electricity? Yes
- ii) Is it shiny? _____
- iii) Is it soft? _____
- iv) Is it usually a solid? _____
- v) Can it break easily? _____
- vi) Can it be used to make wires? _____
- vii) Can it be cleaned using vinegar? _____
- viii) Is it a bad conductor of heat? _____
- ix) Is it a metal? _____

(4marks – ½ mark each)

Exercise 2: Draw a circle around solid, liquid or gas for each picture:

 coffee	solid liquid gas	 cheese	solid liquid gas
 Liquid soap	solid liquid gas	 smoke	solid liquid gas
 table	solid liquid gas	 orange juice	solid liquid gas
 steam	solid liquid gas	 coal	solid liquid gas
 helium	solid liquid gas	 vinegar	solid liquid gas

(5marks – ½ mark each)

Exercise 3: In the table below write down whether the statements are **true** or **false**:

	true / false
Dissolved substances cannot be seen because they become part of the water.	
Some solids dissolve.	
Substances which do not dissolve are called soluble.	
Water is a very good solute.	
Cold water can dissolve substances more than hot water.	
A solution is made when two substances mix completely with each other.	
Salt and sugar take the same time to dissolve in water.	
Cooking oil and water can be separated using filter paper.	
Water and sand can be separated using filter paper.	
Black ink is made from different coloured ink.	

(5marks – ½ mark each)

Exercise 4: Fill in the blanks using the words in the box below:

air	iron	rusting	objects	bicycles	painting
------------	-------------	----------------	----------------	-----------------	-----------------

Iron is used to make cars, ships, gates, _____ and many other _____.

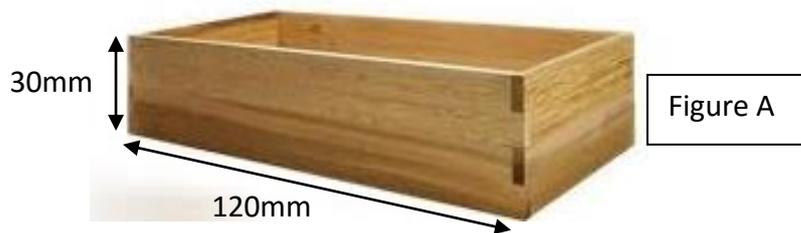
_____ rusts when it comes in contact with oxygen and _____. The rusting of iron can be prevented by _____, oiling, greasing, galvanizing and chrome plating. Galvanization is a method of protecting steel and iron from _____ by coating them with a thin layer of zinc.



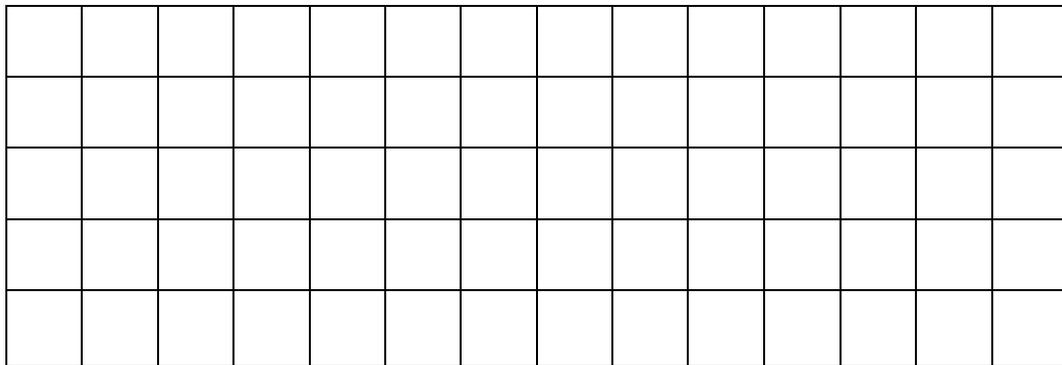
(6 marks)

Strand 3: The world of Technology

Exercise 5: Figure A shows a wooden box.

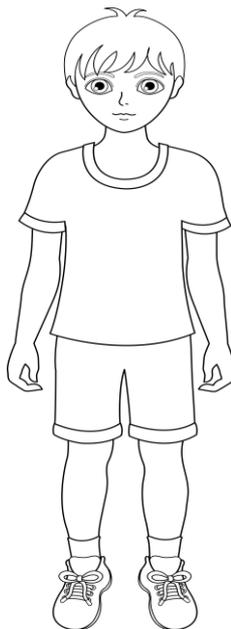


Draw accurately (using a ruler) ONE SIDE with a size of 30mm wide and 120 mm long on the given grid



(2 marks)

Exercise 6: On the diagram below **draw** and **name** TWO safety wear that should be used in the lab:



(2 marks)

Exercise 7: Underline the correct answer:

- a) To cut metal we use a (hacksaw, try square, hot air blower)
- b) (Non-Ferrous, Ferrous, Alloy) metal tends to rust.
- c) Hardwood trees have (cones, fruits, rust).
- d) We heat and shape plastic using a (lighter, flame, hot wire strip heater).

(2 marks – ½ mark each)

Exercise 8: Match the following tools according to their use:

 Tenon saw	Smoothing
 Ruler	Cutting
 Nails	Drilling
 Twist drill	Measuring
 Sand Paper	Joining

An arrow points from the Tenon saw to the Cutting box.

(4 marks)