

St. Benedict College Secondary School, Kirkop

Half-Yearly Examinations 2015 – 2016

FORM 2	INTEGRATED SCIENCE	MARKING SCHEME
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Question		Requirement	Marks	Additional Guidelines
1A)		Shortness of breath, heart disease, lung cancer	3	
B)	i)	Group A	1	
	ii)	B & C	1	
C)		Because of inhalation of cigarette smoke which is equally harmful	1	
2A)		touching	2	Accept any other reasonable answers
		coughing		
		Frequent hand washing		
		Cover mouth when coughing		
B)		It helps to build antibodies against a certain microbe.	2	
C)	i)	Fungi	1	
	ii)	Bacteria	1	
	iii)	Bacteria/Fungi	1	
3A)	i)	from the sea	1	
	ii)	Evaporated	1	
B)	i)	it will dissolve	1	do not accept "melt"
	ii)	Filtration	1	
	iii)	diagram of appropriate setup.	4	1 mark for proper diagram, 1 mark for each correct labelling.
	iv)	residue, water	2	
C)	i)	drawing of Bunsen burner, proper labelling.	2	1 mark for drawing, 1 mark for labelling.
	ii)	labelling of the thermometer	2	1 mark if labelled. 1 mark for spelling.
	iii)	A	1	
	iv)	Y	1	
	v)	It is more suitable to obtain pure water.	1	
	vi)	Evaporation	1	
	vii)	soluble, insoluble	1, 1	<i>do not</i> accept other answers.

4)		Seawater – mixture - It contains two or more types of atoms or molecules which can be physically separated.	1, 1	1 mark for every correct match.
		Salt – compound - Two or more types of atoms are chemically joined together.	1, 1	
		Oxygen – element - It contains only one type of atom.	1, 1	
5A)		It breaks down food into smaller pieces which are then used by the body	1	
B)		A: small intestines; B: Large intestines; C: gullet; D: stomach; E: Mouth; F: Anus;	6	
C)		E, C, D, A,B,F	1	
D)	i)	Hydrochloric acid	1	
	ii)	Disinfects food and helps enzymes to work	2	
E)	i)	A	1	
	ii)	F	1	
6A)		It has a very high melting point.	1	
		It is rigid.	1	
B)		Base of saucepan – It is a good conductor of heat.	1	
		Coin – It does not rust.	1	
		Wires in a cable - It is a good conductor of electricity.	1	
7A)		Duck, chicken	1, 1	
B)		For energy	1	
C)		Fibre- for good movement in the intestines/prevents constipation; Vitamins: for normal body functions	4	Accept any other reasonable answer.
D)		Eating a variety of nutrients from all the food groups in the adequate proportions	2	
8A)		There was a change in colour.	1	
B)	i)	Metals	1	
	ii)	Non-metals	1	
	iii)	Compound	1	
C)		No	1	
		Yes	1	
D)	i)	Zinc sulphide	2	
	ii)	Sulfur dioxide	2	

9A)		Water, oxygen, carbon dioxide, any nutrient (any TWO)	2	
B)		Pumps blood to the whole body	1	
C)		Pulse rate increases to supply more oxygen to working muscles.	2	
D)	i)	T	1	
	ii)	F	1	
	iii)	F	1	
	iv)	T	1	
	v)	T	1	
10A)		N  Water, H ₂ O	1 1 1,1	
B)		The particles in air have no definite shape and take the same shape and volume of the container.	1	
11A)		B	2	
B)	i)	Solid, liquid	1, 1	
	ii)	Liquid, gas	1, 1	
C)	i)	Physical change	1	
	ii)	Chemical change	1	
	iii)	Chemical change	1	
END OF PAPER				