



TOM NEWBY SCHOOL TEST MEMORANDUM



Subject	Natural Science	Examiner	Miss van Copenhagen
Date	June 2022	Total marks	60 marks
Grade	7	Duration	1 hours
		Moderator	Miss Fourie

Question	Answer	Mark	Level
Section A	LIFE AND LIVING AND SEXUAL REPRODUCTION IN HUMANS	[25]	
Question 1			
1.1	A stage in physical development when the body changes from a child to an adult so that the person can reproduce.	2	2
1.2	Monthly bleeding from the vagina caused by the shedding of the lining of the uterus.	2	2
1.3	Chemical substances, produced by glands, that regulate the activity of certain cells or organs.	2	2
1.4	Large tube behind the testes that stores the sperm until they are needed.	2	2
1.5	Female reproductive cells.	2	2
Question 2			
2.1	Ovaries	1	1
2.2	Fallopian tube	1	1
2.3	Testes	1	1
2.4	Urethra	1	1
2.5	Prostate gland	1	1
2.6	Scrotum	1	1
2.7	Cervix	1	1
2.8	Penis	1	1

2.9	Epididymis	1	1
2.10	Uterus	1	1
Question 3			
3.1	<p>* Semen is released at the cervix or entrance to the uterus when ejaculation takes place.</p> <p>* The sperm swim from the cervix, up through the uterus, and into the Fallopian tubes.</p> <p>* If an ovum is present in the tube, one of the sperm cells can fuse with it.</p> <p>* The fusing of a sperm cell with an ovum is called fertilisation.</p>	4	4
3.2	Drugs are toxic to a developing foetus; the foetus is connected to the mother through the umbilical cord.	1	3
Section B	MATTER AND MATERIALS	[15]	
Question 4			
4.1	False	1	1
4.2	False	1	1
4.3	True	1	1
4.4	True	1	1
4.5	True	1	1
Question 5			
5.1	The temperature at which a liquid boils and turns to vapour.	1	4
5.2	From a liquid to a gas.	1	4
5.3	Distillation - Heat the solution so that the solvent evaporates. Instead of letting the solvent particles escape into the atmosphere, collect the vapour. Then cool the vapour so that it condenses to become a liquid again.	3	5

Question 6			
6.1	That the substance is a neutral.	1	2
6.2	a) – sour taste, rough feel, corrosive. b) – Bitter taste, feel slippery, corrosive.	4	3
Section C	ELEMENTS ON THE PERIODIC TABLE		
Question 7			
7.1	a) Potassium b) Chlorine c) Sodium d) Magnesium	4	3
7.2	Learners could choose any 3 metals on the blue side, semi-metals on yellow and non-metals on green.	9	5
7.3	a) fizzy drink cans b) jewellery c) electrical devices d) rechargeable batteries e) preserve food	5	5
7.4	Oxygen. We breathe it in and out every day.	2	2