

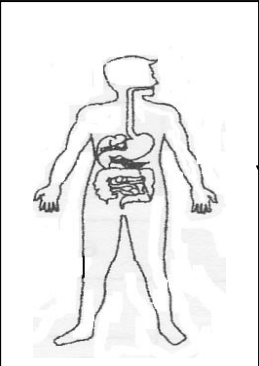
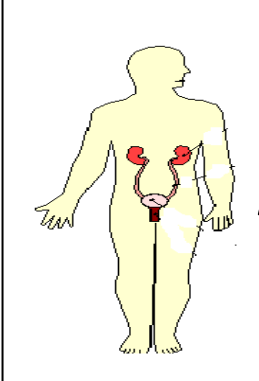
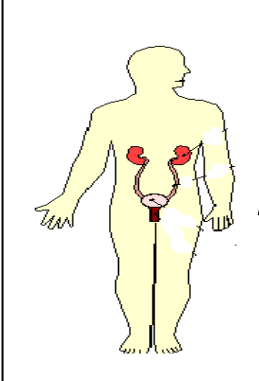
**SCHEME OF ANSWER
SCIENCE, PAPER ONE
55/1
TRIAL EXAMINATION
FORM THREE
2011**

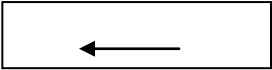
No. of question	Answer
1	B
2	D
3	C
4	A
5	D
6	B
7	B
8	A
9	C
10	C
11	D
12	D
13	C
14	D
15	B
16	C
17	C
18	C
19	B
20	A

No. of question	Answer
21	A
22	D
23	C
24	D
25	B
26	A
27	A
28	B
29	D
30	C
31	A
32	B
33	B
34	D
35	B
36	A
37	A
38	B
39	A
40	C

Marking scheme Trial Science Form 3

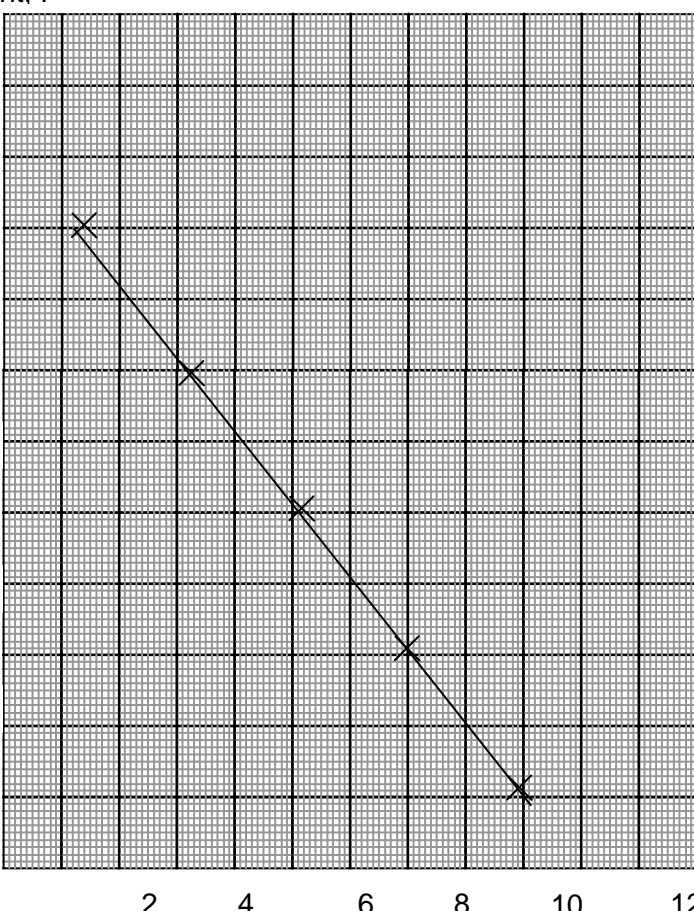
Skema jawapan

Question Soalan	Answer Jawapan	Marks Markah
1 (a)	P : Multicellular / <i>Multisel</i> Q : Unicellular / <i>Unisel</i> R : Unicellular / <i>Unisel</i>	3 marks
1 (b)	Q	1 mark
1 (c)	<div>  <p>(ii)</p> <p>To digest food so that it can be readily absorbed <i>Untuk menghantar maklumat keseluruhan bahagian badan</i></p> </div> <div>  <p>(iii)</p> <p>To transmit message to every part of the body <i>Untuk mencernakan makanan supaya ia mudah diserap</i></p> </div> <div>  <p>To support the weight of the body and protect internal organs <i>Untuk menyokong berat badan dan melindungi organ dalaman</i></p> </div>	2 marks
2 (a)	P : exhalation Q : urination R ; sweating	1 mark 1 mark 1 mark
(b)	P : carbon dioxide and water Q : Urea , water and mineral salt/ urine / nitrogenous waste R : Urea , water and mineral salt/ sweat	1 mark 1 mark 1 mark

3 (a i)	X : Carbon dioxide	1 mark
	Y : Glucose	1 mark
3 a ii)	Producing food /producing oxygen	1 mark
3 b (i)	To absorb carbon dioxide	1 mark
3 b (ii)	Plant B	1 mark
(iii)	Plant B can do photosynthesis because carbon dioxide is present.	1 mark
4 a i)	The indicator colour droplet moves towards the test tube.	1 mark
a ii)	Volume of air decreases	1 mark
a (iii)	.oxygen is used for respiration	1 mark
b)(i)	Put in bigger container/ Remove the container	1 mark
b)(ii)	Contain more oxygen/ more air .	1 mark
b)(iii)	Global warming / green house effect	1 mark
5 a	Situation K: Potential energy	1 mark
	Situation L: Kinetic Energy	1 mark
b i)		1 mark
c (i)	Ball bearing	1 mark
d (i)	Use ball bearing/ put grease/put roller/	1 mark
d (ii)	To reduce friction between box and floor	1 mark
e (i)	Wear spiked shoes/ wear rubber soled shoes/wear wollen glove/put flour on the palm	1 mark
(ii)	To increase frictional force between hand and the wall	1 mark

6 a) i)	Metal / Logam	Observation/ Pemerhatian	2 marks
	Zinc Powder	Metal burns brightly	
	Copper Powder	Metal glows brightly	
(ii)	Copper , zinc , magnesium		1 mark
b) i)	Solid calcium hydroxide / slaked lime		1 mark
ii)	Dissolves it in water		1 mark
iii)	Calcium, carbon / oxygen		2 marks
iv)	Turns lime water cloudy/ milky		1 mark
7 a (i)	43 ml		1 mark
ii)	Container C has highest rate of evaporation because it has largest surface area.		1 mark
iii)	The larger the surface area, the higher the rate of evaporation/		1 mark
7 b	the smaller the surface area, the lower the rate of evaporation		
	Water able to evaporates	Water not able to evaporates	2marks
	P , S	Q , R	
7 c i)	x takes the shorter time to dry compare to W		1 mark
ii)	X takes the shorter time to dry because of factor wind movement		1 mark
iii)	Condition z has lower rate of evaporation because of factor of humidity of air.		1 mark
iv)	More than 20 min		1 mark
(e)	The larger the surface area, the higher the rate of evaporation		1 mark

8 (a) (i)	The speed of fan at position 1 is very slow, whereas at position 5 are very fast.					1 mark
(b) i)	Manipulated variable		Resistance value/value of resistor			3 marks
	Responding variable		Current value/amount of electric current/ammeter reading			
	Constant variable		Number of dry cell/type of wire/length of wire/type of dry cell			
ii)						
8 (b) (iii)	REJECT: TYPE OF AMMETER					
	Resistance (ohm)	1	3	5	7	9
	Ammeter (A)	0.9	0.7	0.5	0.3	0.1

<p>(iv)</p> <p>(v)</p>	<p>Current, I</p>  <table><caption>Data points from the graph</caption><tr><th>Resistance, R</th><th>Current, I</th></tr><tr><td>1</td><td>0.9</td></tr><tr><td>2.5</td><td>0.7</td></tr><tr><td>5</td><td>0.5</td></tr><tr><td>7</td><td>0.3</td></tr><tr><td>9</td><td>0.1</td></tr></table> <p>Resistance, R</p>	Resistance, R	Current, I	1	0.9	2.5	0.7	5	0.5	7	0.3	9	0.1	<p>2 marks</p>
Resistance, R	Current, I													
1	0.9													
2.5	0.7													
5	0.5													
7	0.3													
9	0.1													
<p>(iv)</p> <p>(v)</p>	<p>The higher the resistance, the higher the current.</p> <p>Current is shown by the reading of the ammeter.</p>	<p>1 mark</p> <p>1 mark</p>												