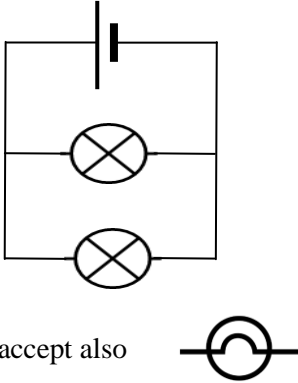


Annual Examinations for Secondary Schools 2014

FORM 1	INTEGRATED SCIENCE	MARKING SCHEME
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Question Number	Maximum Marks	Level	Mark Allocation	Answers
1.	4			
a.	2	L6	1 mark each	flammable poisonous
b.	2	L7	1 mark each	<i>Accept any two correct safety rules</i>
2.	8			
a.	1	L6	1 mark	Circle around the microscope
b.	2	L6	1 mark each	A: test tube / boiling tube B: round bottom flask
c.	2	L7	1 mark each	i. 60 cm ³ ii. 10 cm ³ <i>Deduct 1 mark if both answers are correct but with incorrect or no unit</i>
d.	3	L7	1 mark each	<i>Accept three of the following:</i> Measuring cylinder, thermometer, beaker, tripod, Bunsen burner
3.	5			
a.	1	L7	1 mark	Fish
b.	1	L7	1 mark	Bird
c.	1	L7	1 mark	Octopus
d.	2	L7	1 mark each	<i>Accept any two of:</i> Warm blooded, suckles young, live birth
4.	8			
a.	2	L7	1 mark each	Leaves → Worm
b.	2	L8	2 marks	They would decrease in number/ They would all die <i>Accept any other correct wording</i>
c.	2	L7	1 mark 1 mark	i. Leaves / Plant ii. Worm / Hedgehog <i>Accept any</i>
d.	2	L7	1 mark 1 mark	They grow They reproduce

5.	4			
	4	L7	1 mark	Frog / / to catch insects
		L6	1 mark	Arctic hare / fur /
		L7	1 mark	Elephant / / to keep cool
		L6	1 mark	Eagle / pointed beak, sharp claws /
6.	8			
a.	1	L6	1 mark	a plant
b.	1	L6	1 mark	<i>Accept any one of the following:</i> Presence of Cell wall, vacuole, chloroplasts, rectangular shape
c.	3	L7	1 mark 1 mark 1 mark	2 4 3
d.	3	L7	1 mark 1 mark 1 mark	i. The tail ii. Testis iii. Nucleus
7.	7			
a.	1	L5	1 mark	A
b.	1	L7	1 mark	It pumps blood around the body
c.	1	L7	1 mark	Digestive system
d.	4	L7 L7 L7	2 marks 1 mark 1 mark	i. Smoking, alcohol consumption, drug abuse <i>Accept any two or other correct answers</i> ii. Oviduct / egg tube Uterus
8.	7			
a.	2	L6	1 mark each	light, heat
b.	2	L7	1 mark each	Stored, Electrical
c.	2	L7	1 mark each 1 mark each	Movement / / Sound Stored / / Heat <i>Give mark if both input and output energy are correct</i>
d.	1	L5	1 mark	Gas

9.	7			
a.	2	L7	2 marks	Accept any one of: Hazard A: damaged wire Hazard B: overloading Hazard C: water above TV
b.	2	L6	1 mark	Circuit A: plastic is an insulator
		L7	1 mark	Circuit B: switch is open
c.	1	L6	1 mark	Circuit C
d.	2	L6	2 marks	1 mark for correct symbols 1 mark for correct diagram 
10.	7			
a.	1	L6	1 mark	It turned red
b.	4	L5	1 mark	i. Vinegar
		L7	1 mark	ii. Water
		L7	1 mark	Egg
		L7	1 mark	Lemon
c.	2	L7	2 marks	Vinegar <i>Accept also Lemon or Coffee</i>
11.	8			
a.	2	L5	1 mark	i. Accept any solid
			1 mark	ii. air or steam
b.	3	L6	1 mark	i. liquid
		L6	1 mark	ii. shape
		L8	1 mark	iii. are not fixed together <i>Accept any other correct answer</i>
c.	3	L7	1 mark	i. higher temperature, wind <i>Accept any or any other correct answer</i>
		L8	2 marks	ii. evaporation

12.	7			
a.	3	L7	1 mark each	Chemical, physical, physical
b.	2	L8	1 mark 1 mark	i. Bubbles were produced / Magnesium disappeared (accept any) ii. Hydrogen
c.	2	L5 L6	1 mark 1 mark	i. Oxygen is needed for breathing. ii. Without oxygen, a fire dies out.
13.	5			
a.	1	L5	1 mark	Weight / Gravity
b.	1	L7	1 mark	Stops / moves at constant speed <i>Accept any</i>
c.	3	L7	1 mark each	Wanted Unwanted Unwanted

Level	Range of Percentage marks	Total marks (out of 85)	Total % mark
5	10-15%	7	8.2%
6	20-30%	19	22.4%
7	55-65%	52	61.2%
8	5-10%	7	8.2%

As stated in the teacher's handbook, the annual final mark attained by each student will be out of 85. In addition, teachers will add the student's average mark attained from the practical work component carried out during the scholastic year.

15% of the final mark is allotted to the practical work presented during the year.