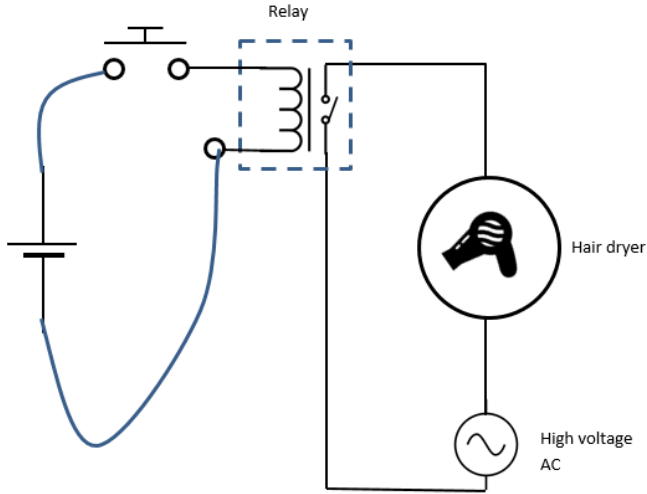
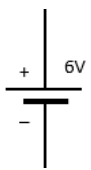


Annual Examinations for Secondary Schools 2022

YEAR 11 SCIENCE AND TECHNOLOGY MARKING SCHEME

1.	a.		A – fallopian tube B – ovary C – uterus D – vagina	$\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$
			B	1
Total: 3 marks				
2.	a.		bun	1
	b.		salad or grapes (<i>any one</i>)	1
	c.		chicken	1
Total: 3 marks				
3.	a.	i.	heart disease or lung cancer (<i>any one</i>)	1
		ii.	exercise or healthy diet (<i>any one</i>)	1
	b.	i.	wear a mask or social distancing or wash hands frequently (<i>any one or equivalent</i>)	1
		ii.	virus	1
Total: 4 marks				
4.	a.	i.	centre of gravity	1
		ii.	lower	1
		iii.	intersection of diagonals	1
	b.		If many passengers stand on the top deck, the centre of gravity of the bus moves upwards increasing the chance of toppling.	2
Total: 5 marks				
5.	a.		stronger / turns / iron bar (award 1 mark for each correct answer)	3
	b.		A permanent magnet always has a magnetic field whereas an electromagnet loses its magnetism when the current is switched off. Therefore, scrap magnetic material can be easily dropped off using an electromagnet.	1 1
Total: 5 marks				
6.	a.	i.	240 V	1
		ii.	water-proof	1
		iii.		1
	b.			1

	c.	i.	 <p>(Award 2 marks for each wire connection)</p>	4
		ii.	 <p>(Award 1 mark for correct polarity symbols written on battery as shown)</p>	1
		iii.	6 Volts / 6 V	1
Total: 10 marks				