Question 18 (5 marks)

Band 1

Band 2

Resistor Colour Code Chart

Colour	Value	Multiplying factor	Tolerance
• Black	0	1	_
Brown	1	10	1%
Red	2	100	2%
Orange	3	1 000	_
Yellow	4	10 000	_
Green	5	100 000	0.5%
Blue	6	1 000 000	0.25%
Violet	7	-	0.1%
, Grey	8	_	_
White	9	_	_
Gold	_	0.1	5%
Silver	-	0.01	10%

(a) Use the Resistor Colour Code Chart to find the colour code of the resistor.

Band 3

Value	Tolerance	Band 1	Band 2	Band 3	Band 4
680	1%	Blue	Grey	Black	Brown

2

3

(b) Determine the maximum value of the following resistor, showing all working.

Band 4

Red	Black	Blue	Gold		
Bang	/	1,	2 3	4	
	يحصي	12 0	106	5%	
Max	valve	15 20	0000	000 ± 5	%