## Question 18 (5 marks)

## Resistor Colour Code Chart

Colow	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.

Value	Tolerance	Band 1	Band 2	Band 3	Band 4
680	1%	Blue	Grey	Black	Brown
		6	8	0	) */~

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

Band I	Band 2	Band 3	Band 4
Red	Black	Blue	Gold

20600 000 ±5% 20 M 0 ±5%

20 000 000 +5%	
	=21MD