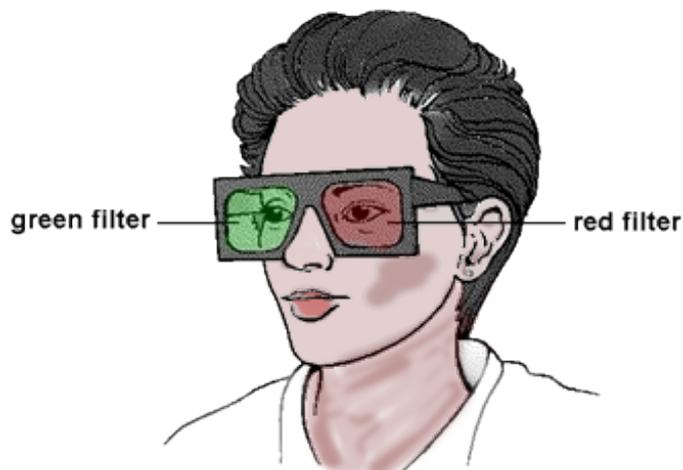


## Questions on colour



**Q1.** Sunita puts on a pair of special glasses as shown below. The glasses have coloured filters in them.

(a) Sunita looks at a lamp through the green filter. The lamp gives out white light, but appears to be green. Explain how this is possible.

2 marks

(b) Sunita looks at a red lamp.

(i) What colour will the lamp appear to Sunita, if she looks at it through the red filter?  
Explain your answer.

(ii) What colour will the lamp appear to Sunita, if she looks at it through the green filter?  
Explain your answer.

3 marks

**Maximum 5 marks**