

Q20

What are secondary colours?

Ans

The Colours which are obtained by mixing two primary Colours together are known as secondary Colours.
If Red and Green lights are projected on white screen then yellow light is obtained as:-

[Red + Green $\Rightarrow$ Yellow,
Green + Blue $\Rightarrow$ Cyan
Blue + Red $\Rightarrow$ Magenta

These are the secondary Colours. (Yellow, Cyan, magenta)

Q21:→ When does a body appear white?Ans:→ If it reflects light of all Colours then it appears white.Q22:→ When does a body appear black?Ans:→ When a body reflects none of the Colours (i.e. it absorbs light of all Colours), it appears black.Q23:→ The leaves appear green when seen in white light. Give a reason?Ans23:→ because they reflect only green light and absorb the light of all other Colours.Q24:→ A piece of paper appears black in sun light. What will be its Colour when seen in red light?Ans

It would appear black when seen in red light because it absorbs light of all the Colours.

Q25:→ If the angle of incidence is 40° then angle of reflection will be?Ans

It will be 40° ($\because \angle i = \angle r$) by laws of Reflection