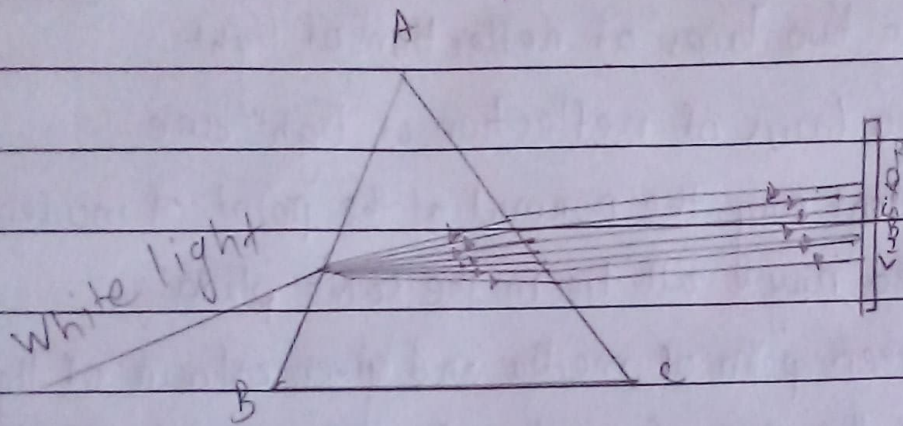


18- What do you mean by the term dispersion?

A- If white light passed through a prism, it splits into different ~~colours~~ colours. This is called dispersion.

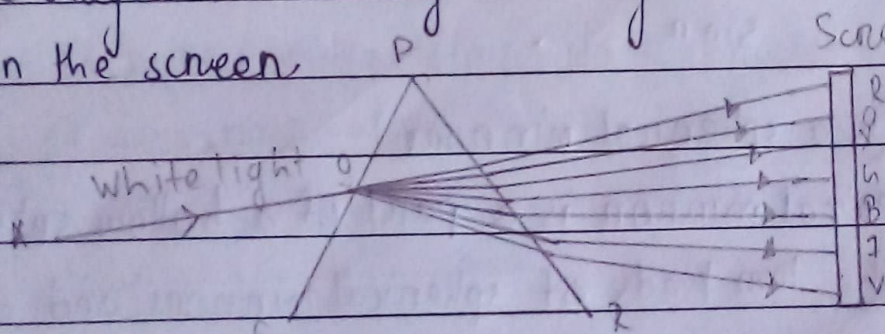
19- A ray of white light falls on a prism. Draw a ray diagram to show that the prism dispenses the white light.

A-



20- AO is the ray of white light falling on a prism PQR. Complete the diagram till the light emerges out from the prism and falls on the screen.

A-



21- What do you understand by the term spectrum? Name the various colours present in the spectrum of sunlight.

A- Spectrum is the coloured band obtained on a screen on passing the white light through a prism.

→ The various colours present in the spectrum of sunlight are Violet, Indigo, Blue, Green, Yellow, Orange and Red.

22-

You are given a disc divided into seven sections with ~~white~~ colours violet, Indigo, blue, green, yellow, orange and red in them. What would be its colour when it is rotated rapidly?

A-

When the disc is rotated rapidly we would be getting white colour.