

18/ Ans. What do you mean by the term dispersion?
The splitting or breaking up of the white light into its constituent colours as it passes through a refracting medium such as prism is known as dispersion.

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

Ans. Diagram on next page -

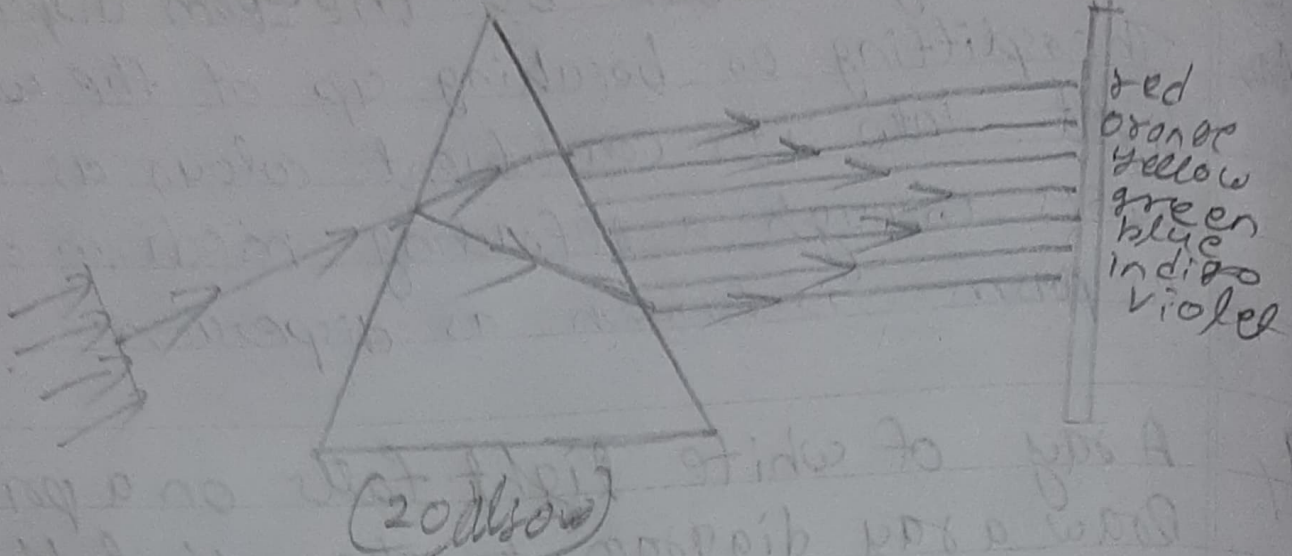
21/ What do you understand by the term spectrum? Name the various colours present in the spectrum of sunlight.

Ans. Spectrum is the band of colours obtained on a screen when white light passes through a prism and splits into its constituent colours. The colours of the spectrum are violet (V), indigo (I), blue (B), green (G), yellow (Y), orange (O), and red (R).

VIBGYOR

22/ You are given a disc divided into seven sectors with colours violet, indigo, blue, green, yellow, orange and red in them.

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22, what would be its colour when it's rotated rapidly?

Ans, If a disc divided into the seven colours of VIBGYOR, ~~the~~ and is rotated rapidly, it will appear as white.