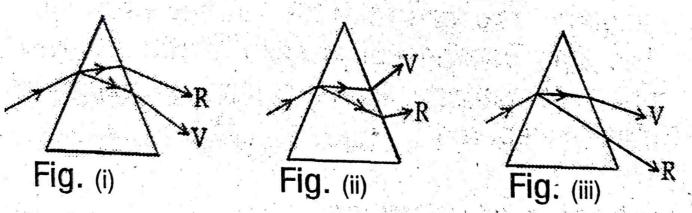
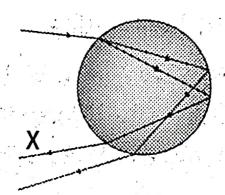
Observe carefully the following diagrams which show the splitting up of a composite light into its constituent colours.



- a) Which among the above figures is correct? Give reason.
 - b) Write the name of the phenomenon.
 - a) Fig(i). When light is incident on a prism obliquely, violet having least wavelength deviates more and red having high wavelength deviates least.
 - b) Dispersion

A ray diagram of the dispersion of sunlight by a droplet of water is given below.



- a) What is the colour represented by X? 1
- b) How many times does a ray of light undergo refraction when it passes through a water droplet?
- c) Give an instance in which a rainbow seen as a circle.
- a. X Violet b. Two times
- c. When the person seen from an aeroplane, the rainbow appears as a circle.