

Q1. A person who can see things most clearly at a distance of 10 cm. Requires spectacles to enable to him to see clearly things at a distance of 30 cm. What should be the focal length of the spectacles

A) 15 cm (Concave)

B) 15 cm (Convex)

C) 10 cm

D) 0

Ans: 15cm(concave) : Take $u = 30\text{cm}$ and $v = 10\text{cm}$ then use lens formula.