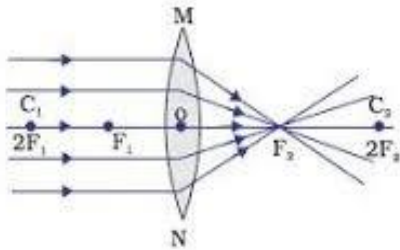
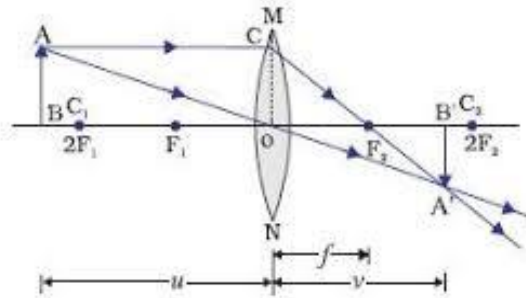


CHAPTER 5. (LIGHT- REFRACTION) (BASED ON NCERT PATTERN)

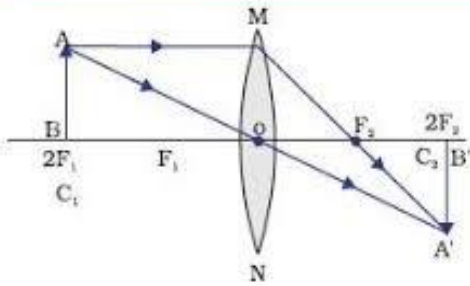
**IMAGES FORMED BY CONVEX LENSES:-**



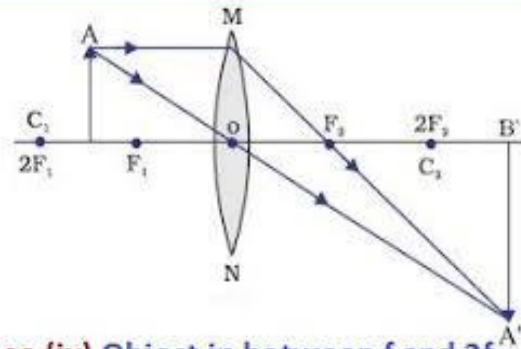
**Case (i) Object at infinity**



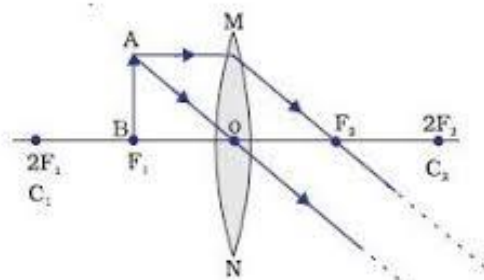
**Case (ii) Object at beyond 2f**



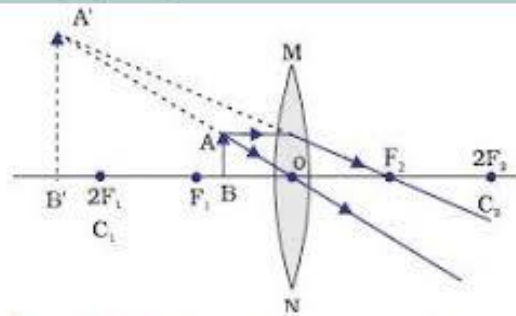
**Case (iii) Object at 2f**



**Case (iv) Object in between f and 2f**



**Case (v) Object at f**



**Case (vi) Object distance < f**

## PROPERTIES OF IMAGES FORMED BY CONVEX LENSES:-

### Convex Lens

S No.	Position of Object	Position of Image	Size of Image	Nature of Image
1.	At infinity	At the focus	Highly diminished, Point sized	Real inverted and
2.	Beyond 2F	Between the focus centre and of curvature	Diminished	Real inverted and
3.	At 2F	At the centre of curvature	Same size	Real inverted and
4.	Between F and 2F	Beyond the centre of curvature	Enlarged	Real inverted and
5.	At the focus F	At infinity	Highly enlarged	Real inverted and
6.	Between the focus F and optical centre C	Behind the object	Enlarged	Virtual erect and