



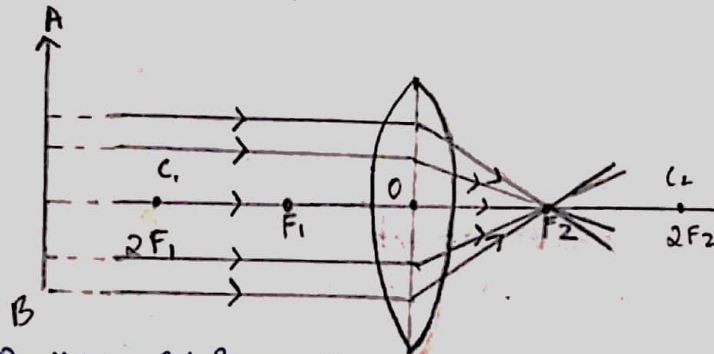
مدرسة جيه اس اس الخاصة JSS PRIVATE SCHOOL, DUBAI

Name: Nidwi Johnson Subject: Physics Reg. No.:

* Convex Lens

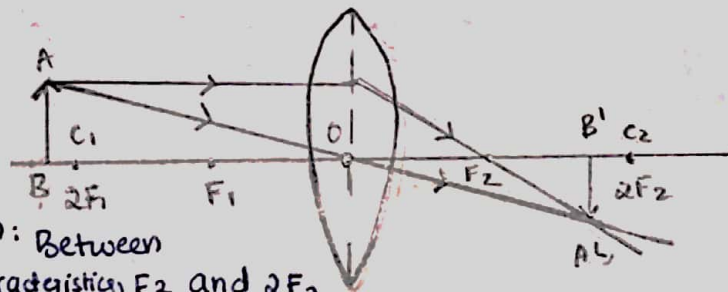
Date: 30/09/20

(a) Object Position: At infinity.



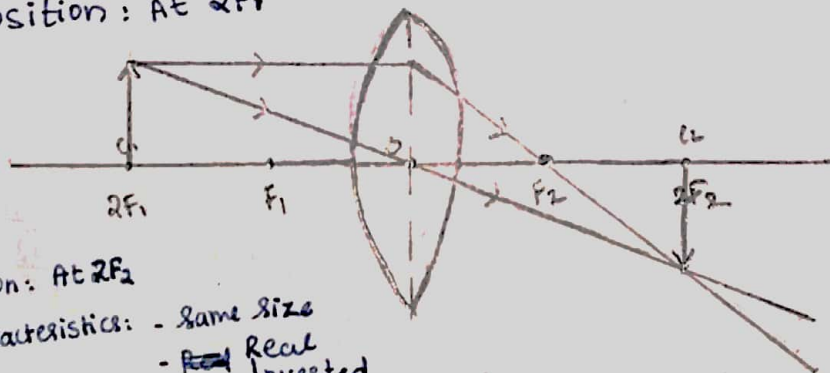
- Image Position: At focus F_2
- Image characteristics: - Highly diminished, point-sized
- Real and inverted.

(b) Object position: Beyond $2F_1$.



- Image Position: Between F_2 and $2F_2$
- Image characteristics: - Diminished
- Real and inverted

(c) Object Position: At $2F_1$.

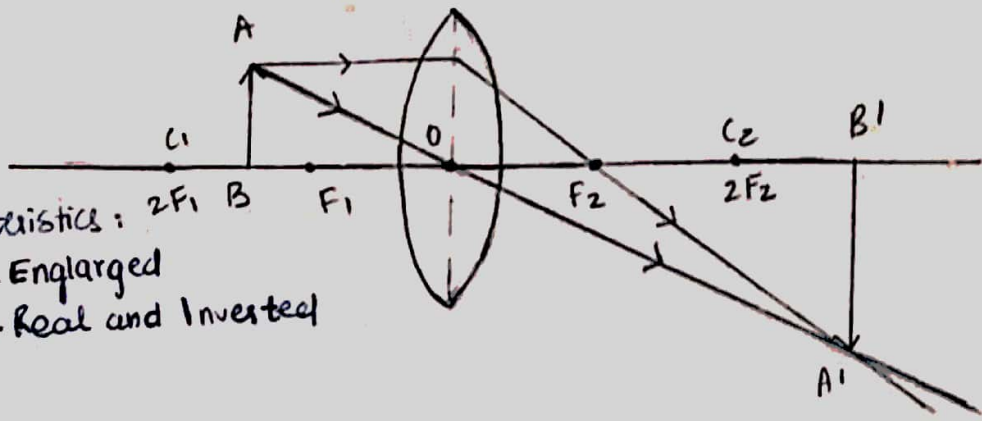


- Image Position: At $2F_2$
- Image characteristics: - Same size
- ~~Real~~ Real and inverted

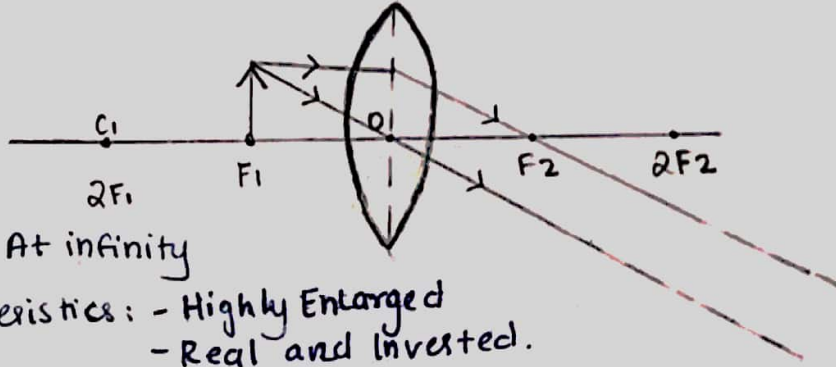
(d) Object Position: Between F_1 and $2F_1$.

• Image Position:
Beyond $2F_2$

- Image Characteristics:
 - Enlarged
 - Real and Inverted

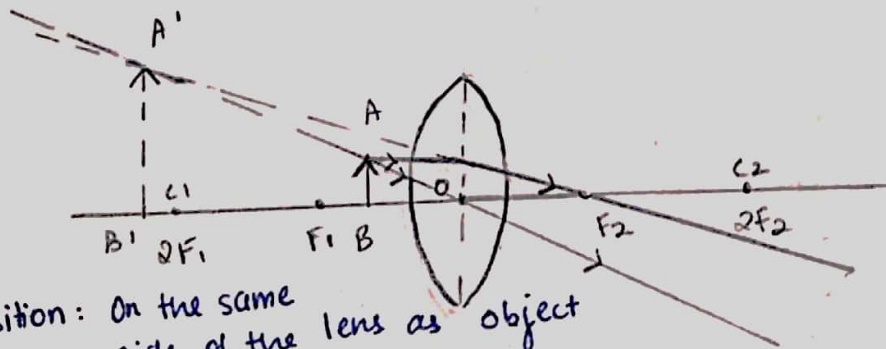


(e) At F_1



- Image Position: At infinity
- Image characteristics:
 - Highly Enlarged
 - Real and Inverted.

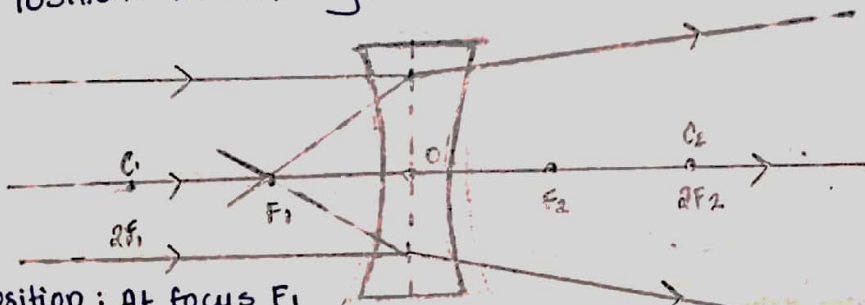
(f) Object Position: Between F_1 and optical center.



- Image Position: On the same side of the lens as object
- Image Characteristics: Enlarged, Virtual and Erect.

* Concave lens

(a) Object Position: At infinity.



- Image Position: At focus F_1
- Image characteristics:
 - Highly diminished, point-sized
 - Virtual and erect.

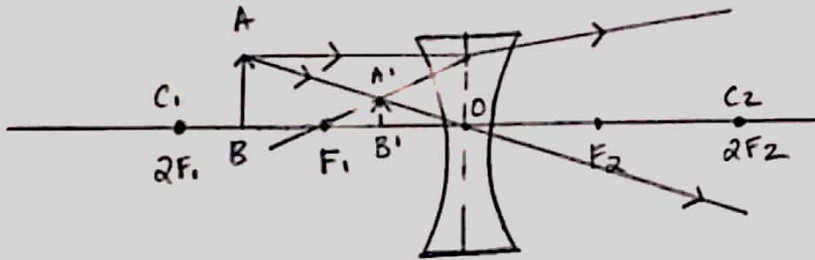


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Name: Subject: Reg. No.:

(f) Object Position: Between infinity and optical center O of the lens.

Date:



- Image position: Between focus F_1 and optical centre O.
- Image characteristics: - Diminished
- Virtual and Erect.

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