

Name Anyj Sapkota
Class '8' Gallica

DATE _____

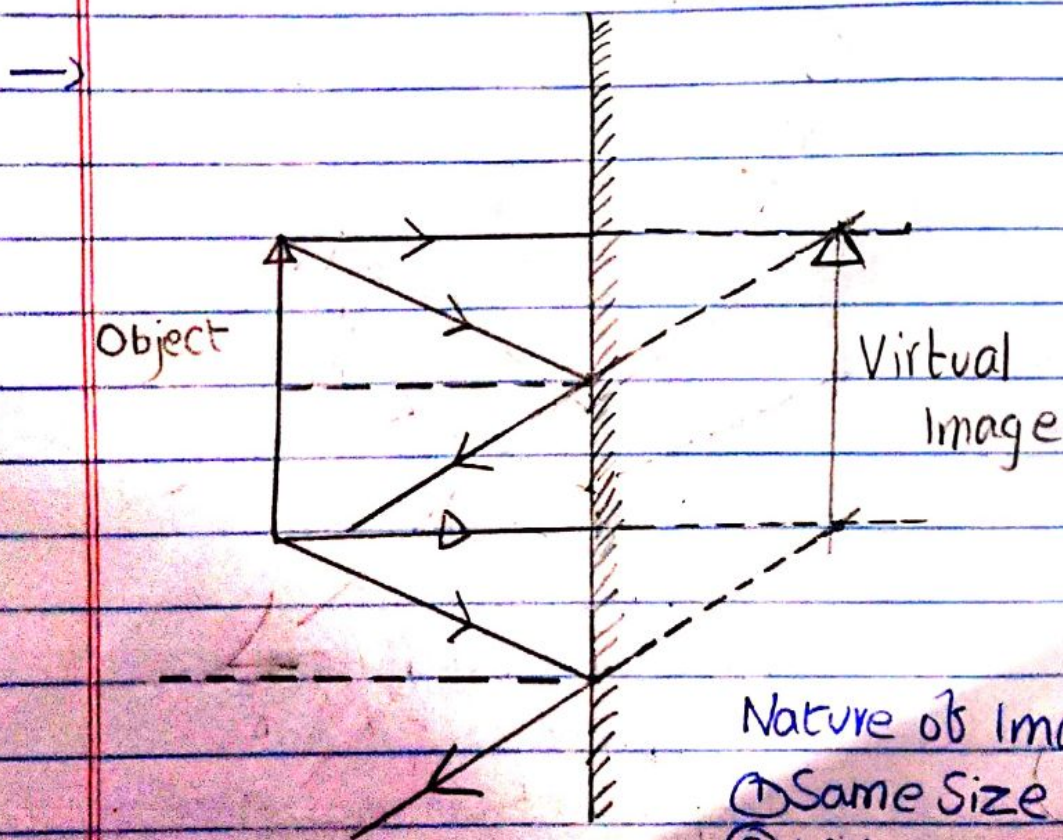
PAGE No. _____

Light

Assignment 1

Draw a ray diagram to show how image is formed by the following mirror: (Also write down the nature of image formed by each)

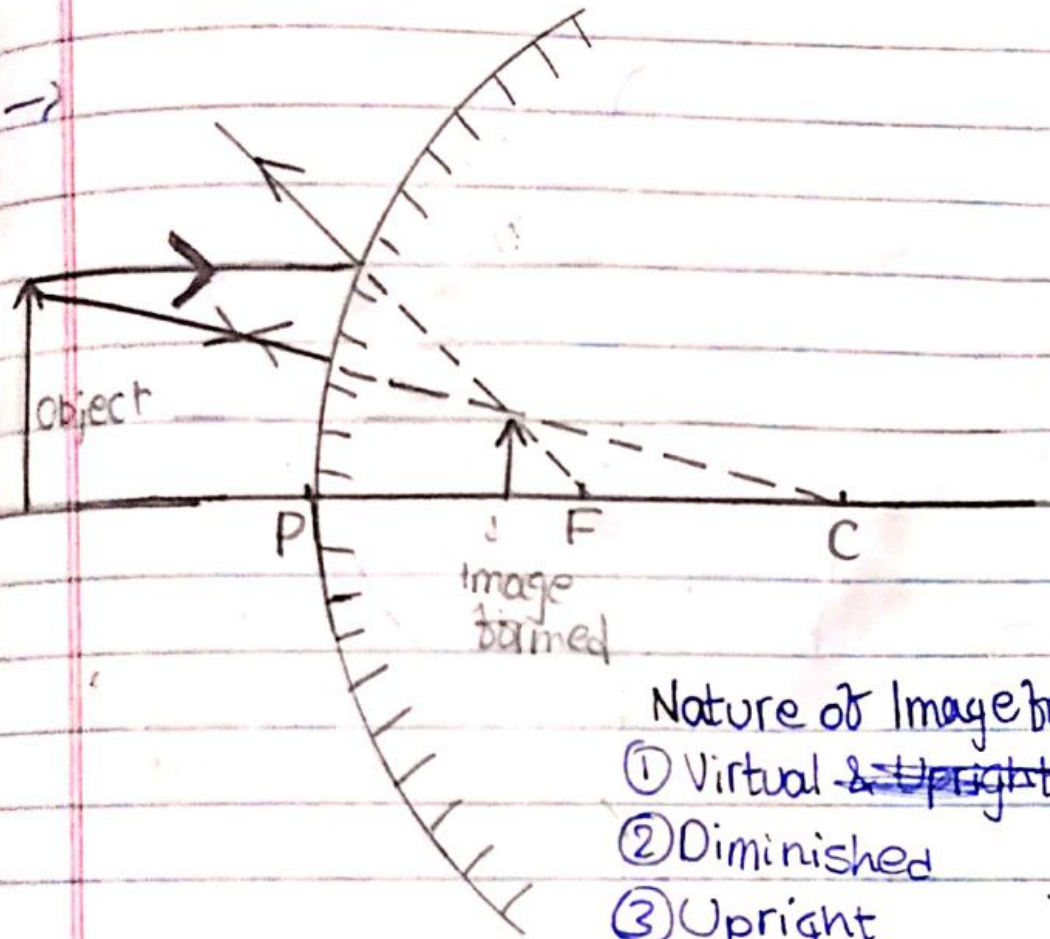
a) Plane Mirror:



Nature of Image:

- ① Same Size
- ② Virtual image
- ③ Same distance
- ④ Laterally inverted
- ⑤ Upright image

b. Convex mirror



Nature of Image formed:

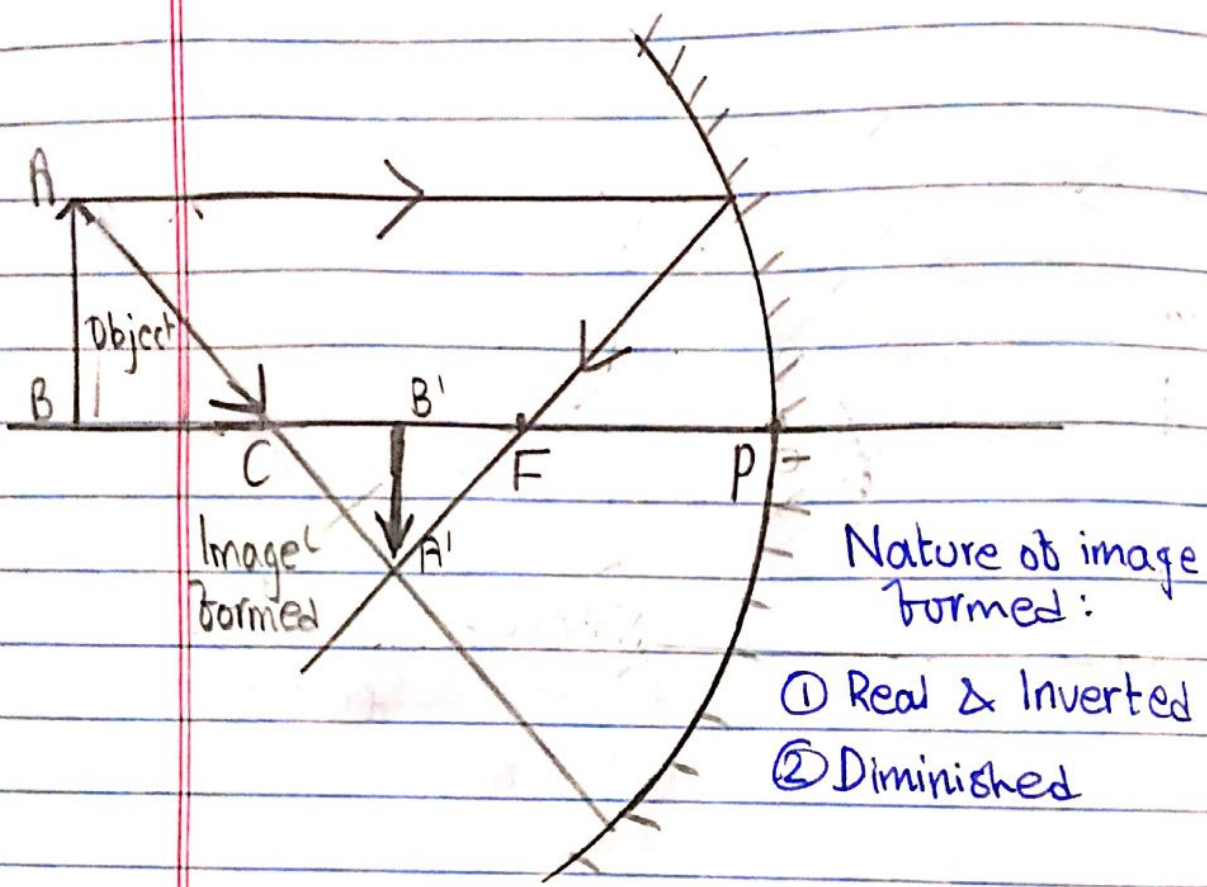
- ① Virtual & Upright
- ② Diminished
- ③ Upright

c. Concave Mirror (placing objects at different positions)

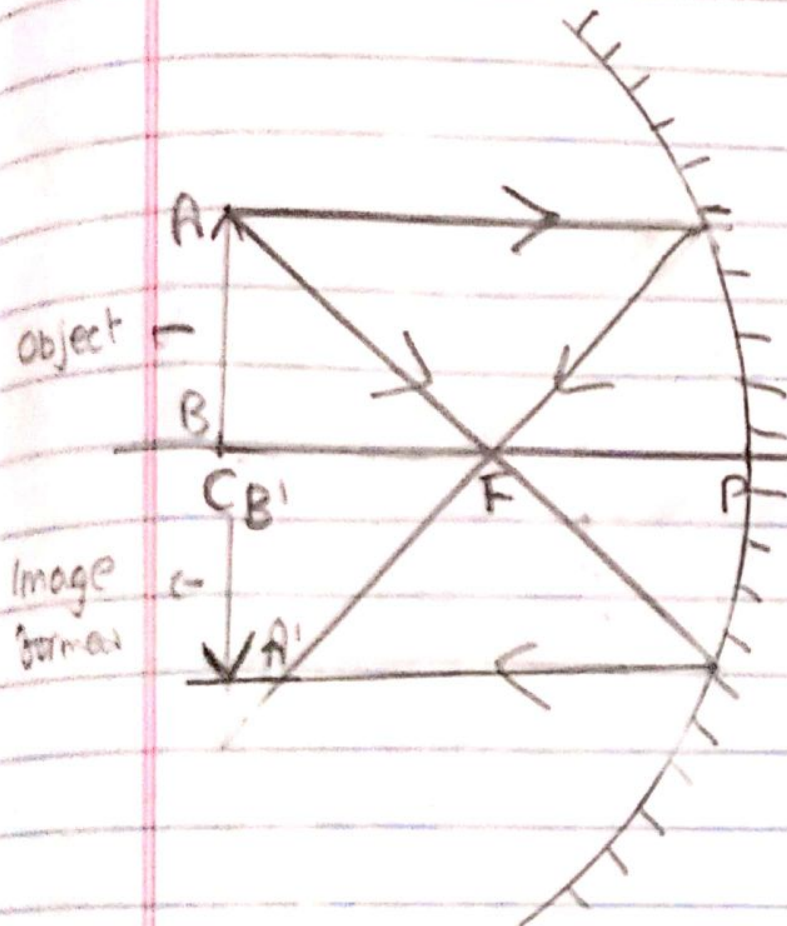
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→ Case 1:



→ Case 2:



Nature of Image formed:

- Real
- Inverted
- Same size



→ Case 3:

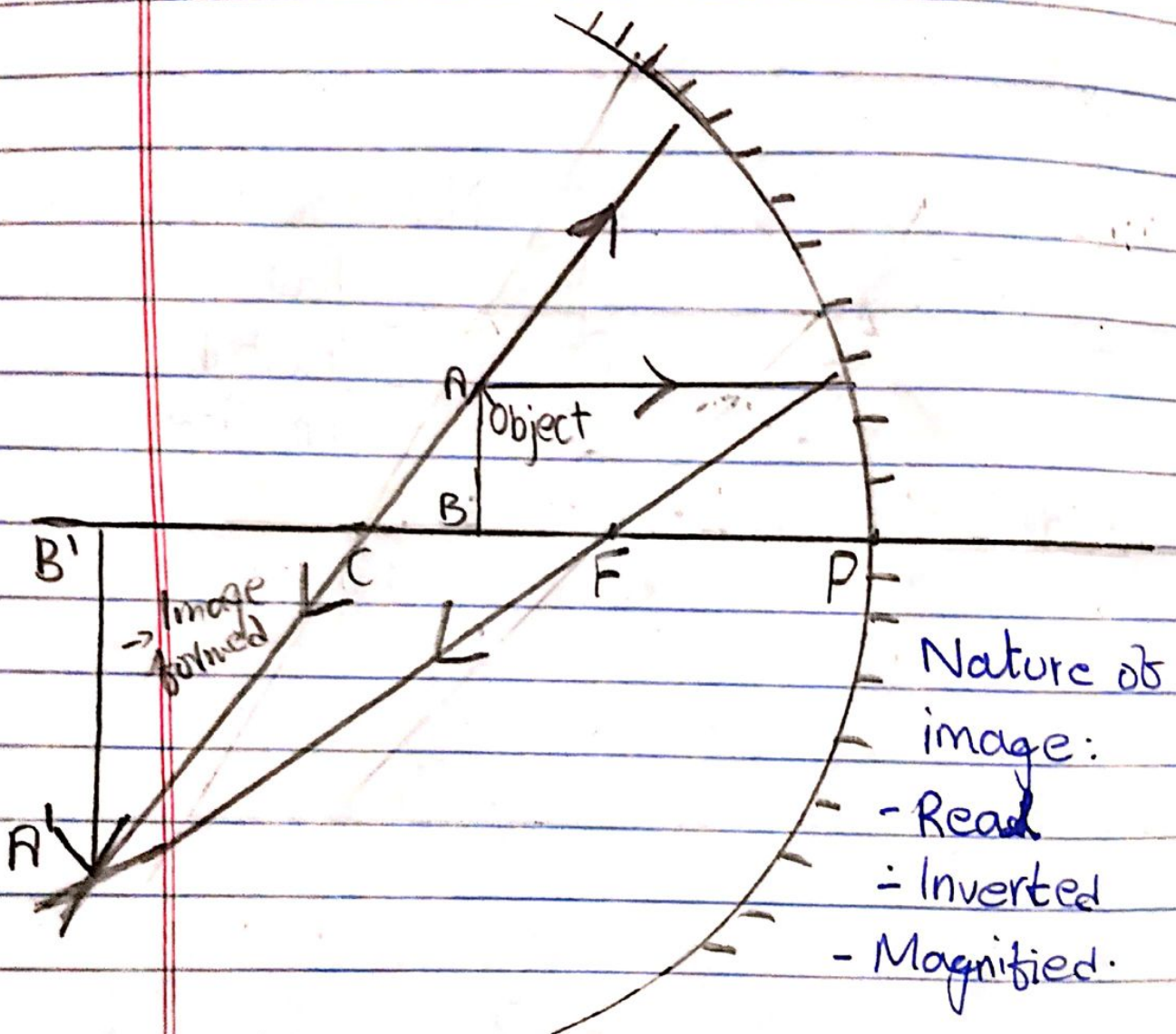
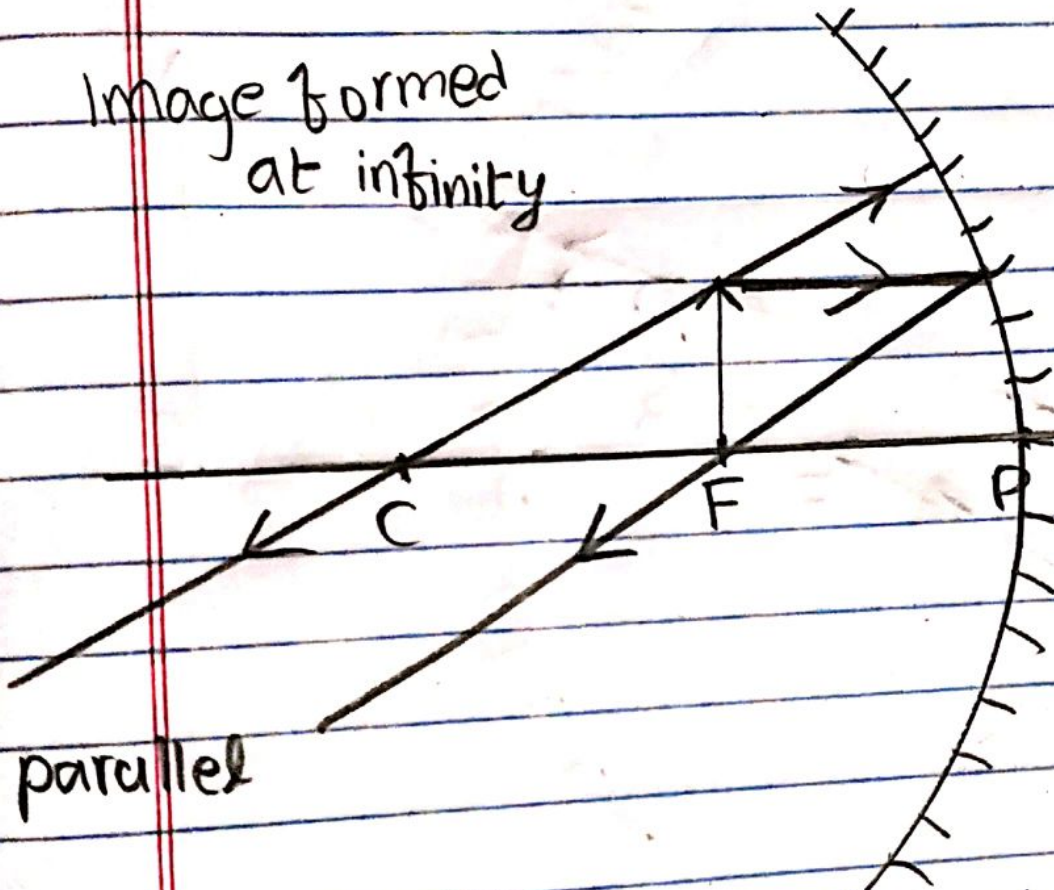


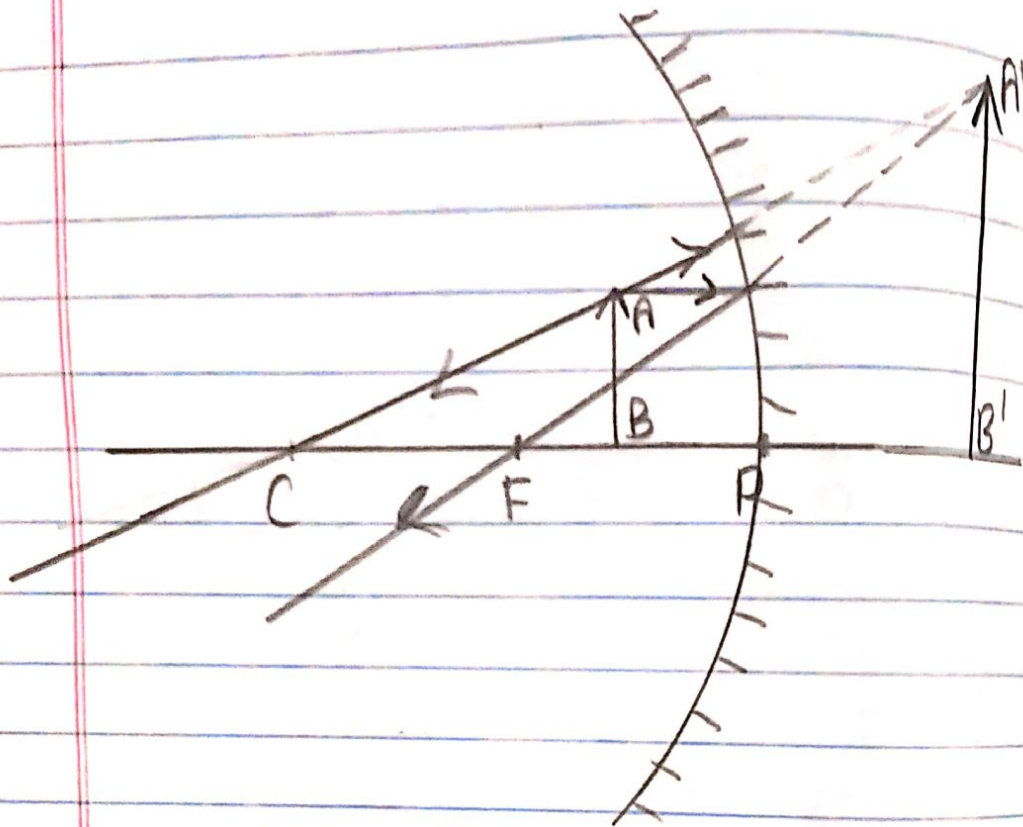
Image formed
at infinity



Nature of image formed:

- Real & inverted.
- Highly magnified.
- Formed at infinity.

Case 5:



Nature of image formed .
virtual & erect
Magnified
Behind mirror