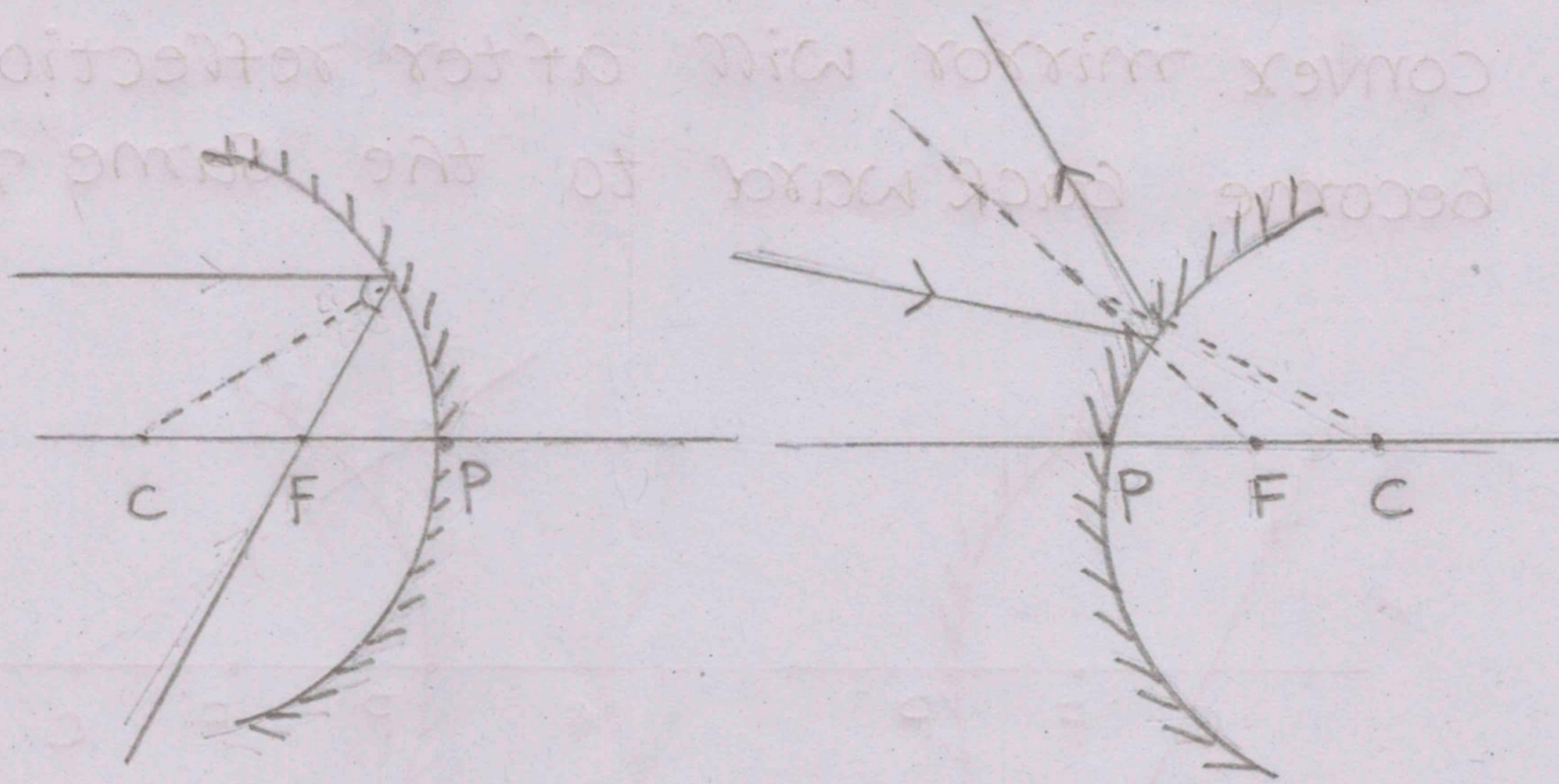




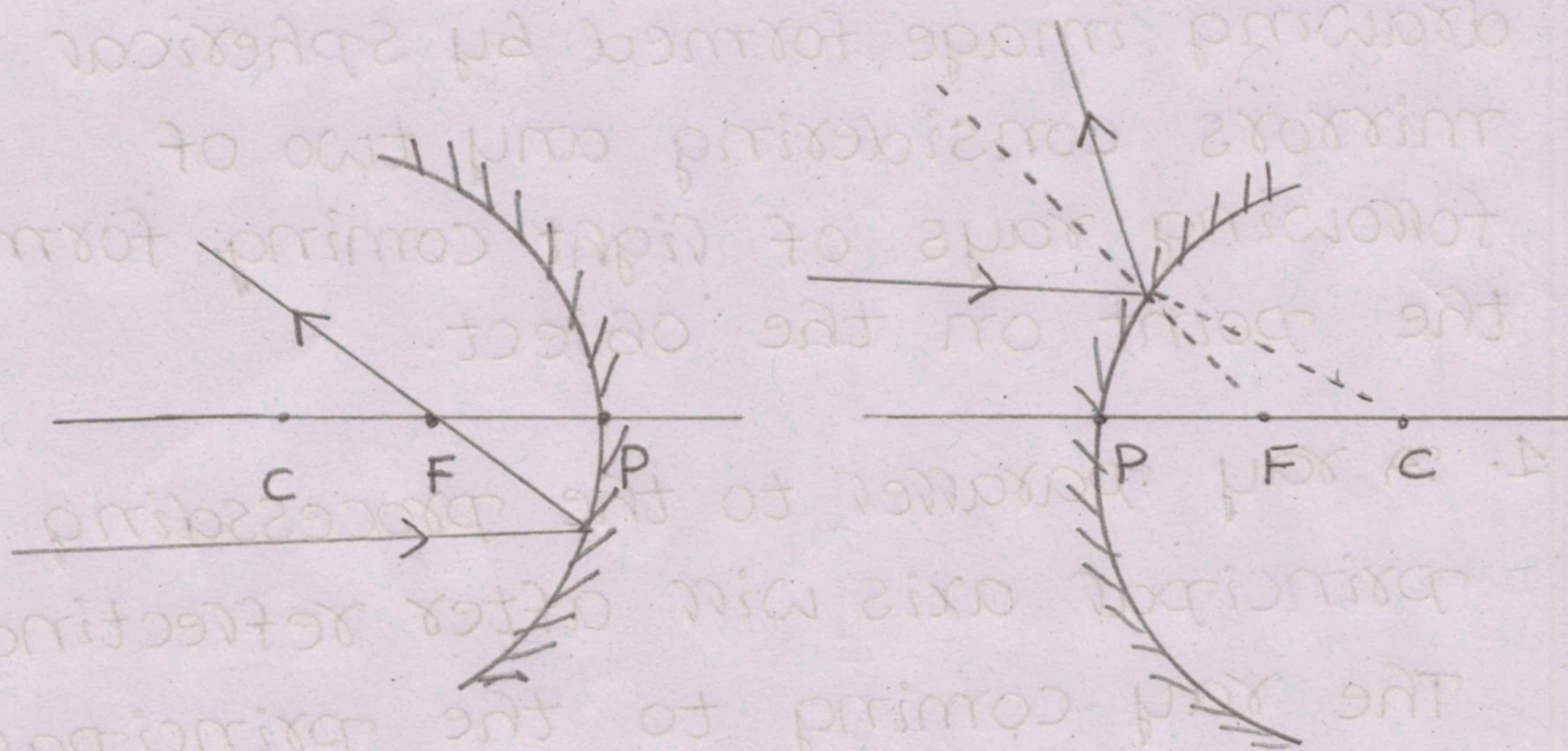
Name	M. Lavanya	Roll No.	13	MARKS
Class	X	Subject	p.s	
Examination	S.T	Date	29/4/2025	
Invigilator Signature				

1A. Rules for drawing image formed by Spherical mirrors: The rules for drawing image formed by spherical mirrors considering any two of following rays of light coming from the point on the object.

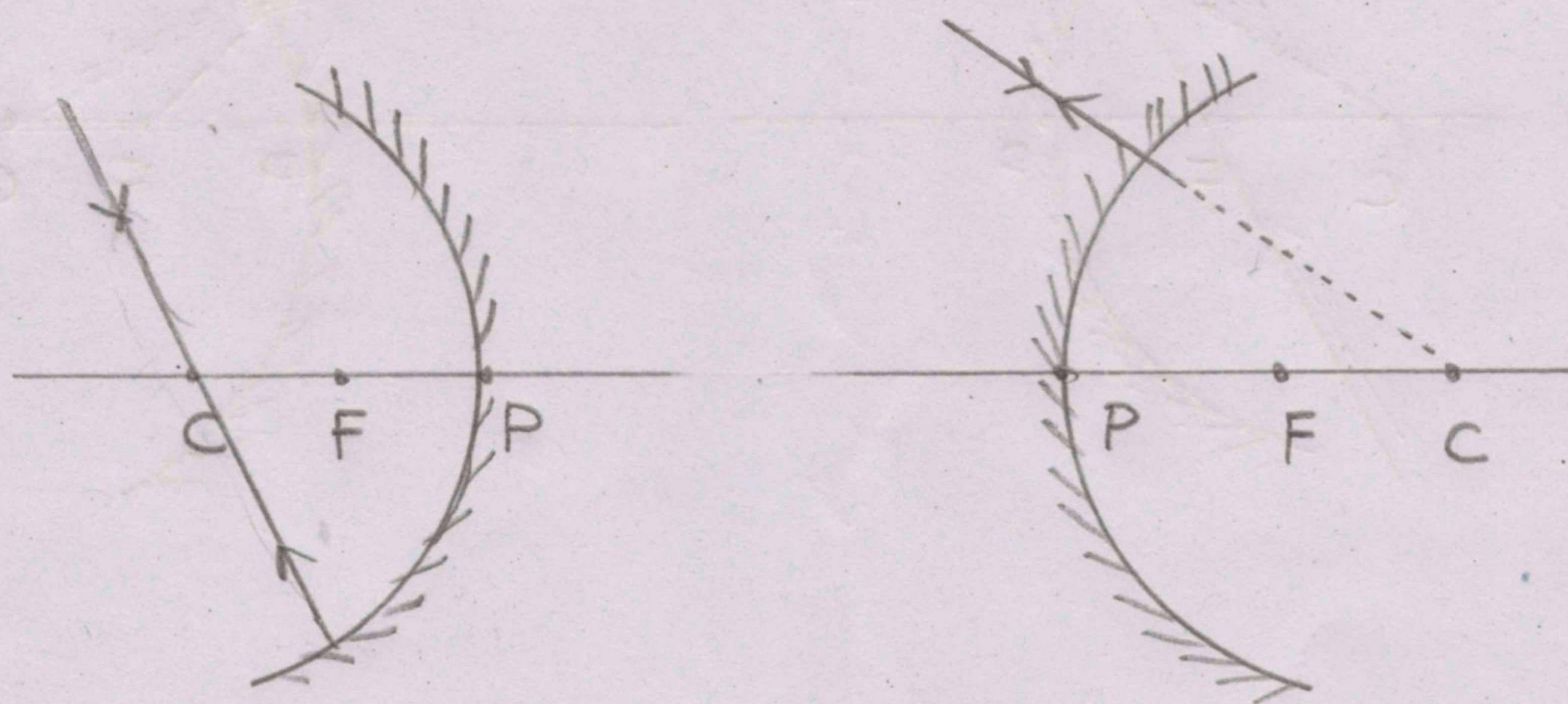
1. A ray parallel to the principal axis will after reflecting. The ray coming to the principal axis in the cases of concave mirror. and principal focus in the case of a convex mirror.



2. A ray passing through the principal focus in the concave mirror and direct towards in the case of a convex mirror will after reflection become from the principal axis.



3. A ray passing through the centre of curvature in the concave mirror and direct towards in the case of a convex mirror will after reflection become back ward to the same path.



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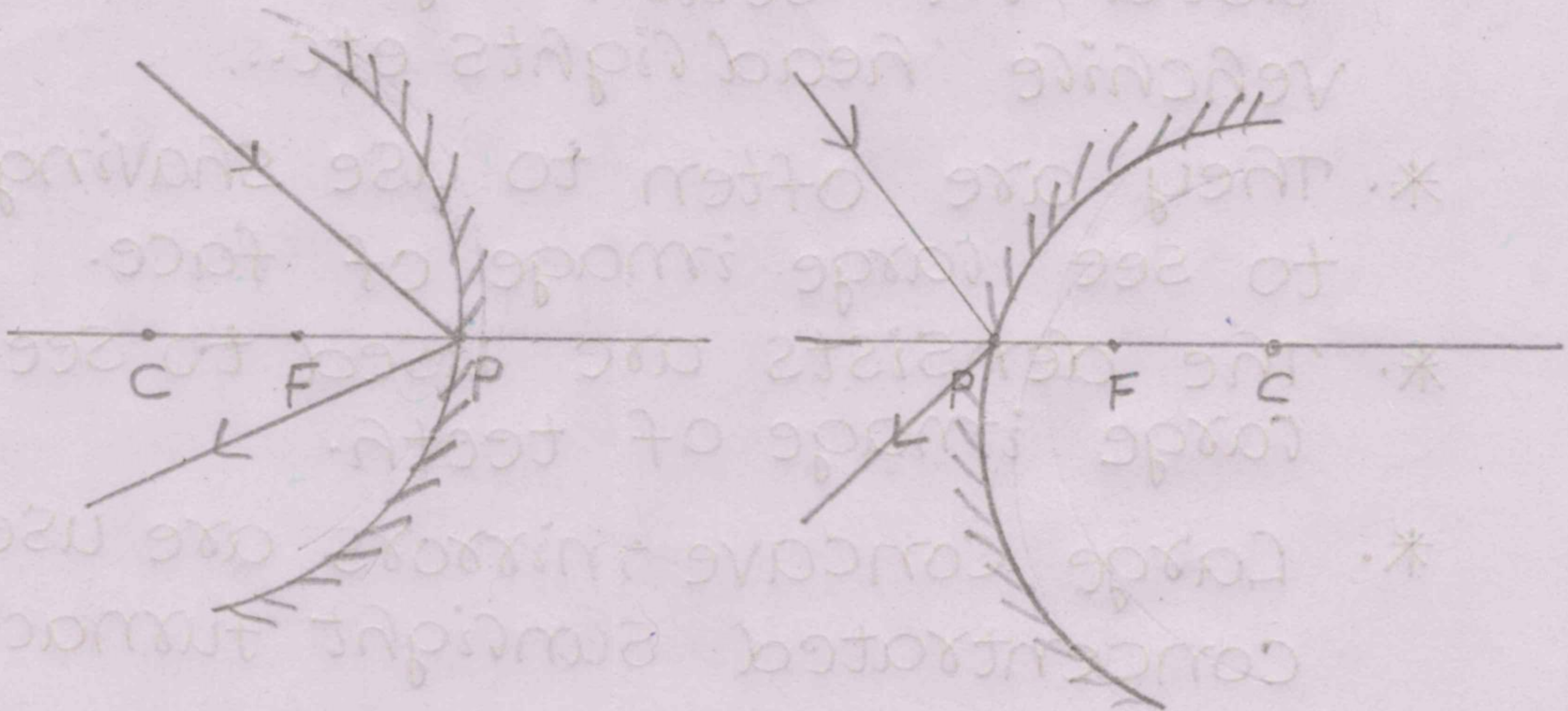
GOLIVARI STREET, PERALA - 523 157

Name M. Lavanya Roll No. 13
Class X Subject P.S Date _____

MARKS

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4. A ray incident obliquely to the principal axis in the cases of concave mirror and convex mirror the following laws of incident and reflected and reflected in the same angle.



II 2A. Optial medium: A substance through light can passing is called an optial medium on the behaibour of light on the basis of catagaries divided in to three catagaries.

Transparent medium: A light can passes are clearly can seen the object is called an transparent medium.

Ex:- Air, water, glass

Opaque medium: A light can pass not clearly to see the object is called an opaque medium. For example: wood, metal, stone etc.,

Translucent medium: A light can pass clearly to see only one side of the object or the person is called translucent medium. For example, smoke, clouds etc.,

III 3A. Uses of concave mirror:

- *. Concave mirrors are commonly used in search light, torches, vehicle headlights etc.,
- *. They are often to use shaving mirrors to see large image of face.
- *. The dentists are used to see the large image of teeth.
- *. Large concave mirrors are used to concentrate sunlight in furnaces.

Uses of convex mirrors:

- *. Concave mirrors are commonly used as rear-view mirrors in vehicles.
- *. Concave mirrors are fitted to the side of the mirror to see the traffic to enable the driver to facilitate him/her to safe driving.

4A. The statement meaning of diamond is 2.42 in the vacuum medium in the diamond.