Max Marks: 25 Time Duration: 30 minutes

Formal Formative 2-

Topics: 5.1-5.3

Total Marks: 25

- 1. Carlos has some CDs and a candle and decide to do an experiment.
- First, he stacks the CDs so that the holes line up, and then he looks down through the CDs to see if he is able to see the candle below.
- Then, he stacks the CDs so that the holes are not aligned and looks down through the CDs to see if he is able to see the candle below.

Circle the correct words to complete the sentences below.

When the holes in the CD are lined up, Carlos can/cannot see the candle through the CDs. When the holes in the CDs are not lined up, Carlos can/cannot see the candle through the CDs.

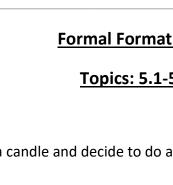
This happens because light can bend/can only travel in straight lines. When the holes are lined up/are not lined up, light from the candle travels directly through and into Carlos' eyes.

When the holes are lined up/are not lined up, the light from the candle is reflected off the bottom of the CDs and will / will not reach Carlos' eyes.

Formal Formative 2







Name:	
Date:	
Class:_	





Name:	
Date:	
Class:_	



2. The fire is one source of light in this picture.

Max Marks: 25

Time Duration: 30 minutes

a. Identify the other sources of light in this picture.

- /1
- b. Light from the campfire allows the owl to see the guitar. Draw a ray diagram on the above given picture to show this. Label the arriving and reflected ray.
 /3
- 3. The frog is looking at his reflection in the pond.

Fill in the blanks.

- a. Another word for the reflected picture is
- b. The frog can see his reflection in the pond because the

surface of the water is and

- c. Imagine that it is a windy day, and suddenly there are lots of waves and ripples on the surface of the pond. Would the frog still be able to see his reflection clearly like before? Explain why, or why not.



/2

Name:	
Date: _	
Class:	

	p shining on Granny.	ier feet. Also, tl
a.	Draw what the passage describes.	
b.	What is the light source described in this passage.	
с.	Name the object or objects Granny is trying to see.	
. .		

Max Marks: 25

Time Duration: 30 minutes



Name:	
Date: _	
Class:	

/4

Paper, Mirror, Wood, Wool, Polished marble, Clear water, Muddy water, Metallic plate.

Reflective Surfaces	Non-reflective Surfaces	

Max Marks: 25

Time Duration: 30 minutes