



**VIDYANIKETAN PUBLIC SCHOOL**

Ullal Road Cross, Ullal Upanagar,  
Bangalore - 560 056

**Class : 8**

**MIDTERM EXAMINATION October 2020**

**Subject: Science**

**Subjective part – Max. Marks - 25**

**PHYSICS**

**MARKS : 8**

Answer the following questions:

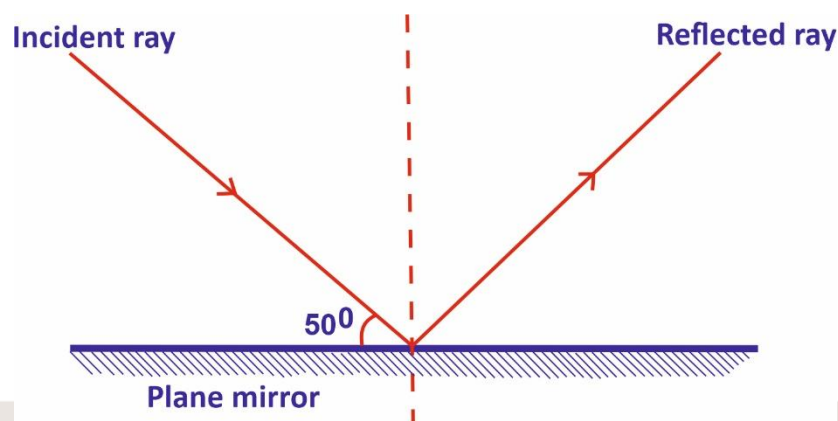
**1 x 2 = 2**

1. a) Write any one difference between regular and irregular reflection.  
b) A man stands 10 m in front of a large plane mirror.

How far must he walk before he is 5m away from his image?

**3 x 2 = 6**

2. With a neat labelled diagram, explain charging an object by the method of friction.
3. a) Man X has a defect of vision due to which he cannot see the nearby objects clearly (though he can see the distant object clearly). On the other hand, Man Y has a defect of vision due to which he cannot see the distant objects clearly (though he can see the nearby objects clearly). The defect in Man X can be corrected by using spectacles containing lenses C, whereas the defect in man Y can be corrected by using spectacles containing lenses D.  
(i) Name the defect of vision in Man X and Man Y.  
(ii) What type of lenses are C and D?  
b) Light strikes a mirror making an angle of  $50^\circ$  to the surface. Determine the angle of reflection.



## CHEMISTRY

MARKS : 9

Answer the following questions:

2 x 2 = 4

4. What is corrosion? Why do copper vessels turn green with the passage of time?
5. Differentiate between luminous flame and non-luminous flame (any 2).

1 x 5 = 5

6. (a) Draw a neat labelled diagram of the zones of candle flame. 2
- (b) Explain the activity to prove that when a candle burns, it is the wax vapours that burn and not the liquid wax. 2
- (c) On what factors does the colour of the flame depend? 1

## BIOLOGY

MARKS : 8

Answer the following questions:

1 x 2 = 2

7. Draw a neat labelled diagram of 'Brain of the Cell'.

2 x 3 = 6

8. 'Shape of the cell determines its function'. Justify the statement with the help of three examples.
9. (a) Define Ploughing. 1
- (b) Mention any four reasons to show the importance of ploughing. 2