



# TEST PAPER: PHYSICS

Time: 45 Minutes

Class: 10<sup>th</sup> C.B.S.E.

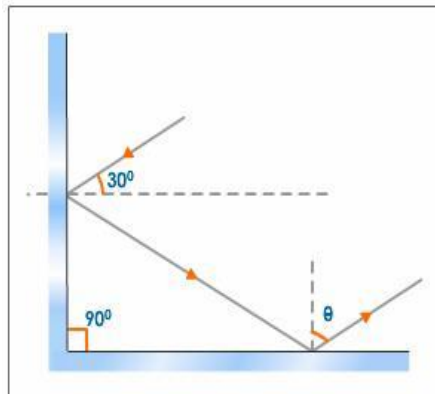
Max. Marks: 30 Marks

Date: 18<sup>th</sup> April, 2018

**Marking Scheme:** Three questions carry 10 marks each. Question 1 has 10 MCQ's of 1 mark each. Questions 2, 3 and 4 have 3 subparts each. Subparts A and B carry 3 marks each and subpart C carries 4 marks. Question 1 is compulsory. Attempt any 2 out of questions numbers 2, 3 and 4.

## Question 1:

1. What is the value of  $\theta$  in the following diagram?



- A. 30°                      B. 45°  
C. 90°                      D. 60°
2. The centre of the sphere of which the spherical mirror forms a part is called
- A. centre of curvature    B. focus  
C. pole                      D. vertex
3. The focus of a concave mirror is \_\_\_\_\_.
- A. real                      B. virtual  
C. undefined              D. at the pole
4. A converging mirror is known as \_\_\_\_\_.
- A. convex mirror          B. plane mirror  
C. concave mirror          D. cylindrical mirror
5. An object is at a distance = 2m from a plane mirror. The distance between the object and the image is:
- A. 4 m                      B. 3 m  
C. 2 m                      D. 1 m
6. The angle between the incident & reflected rays when a ray is incident normally on a plane mirror is
- A. 90°                      B. 45°  
C. 180°                      D. 0
7. An object of height = 5 cm forms an inverted image of height 2 cm. The value of magnification m is:
- A. 2.5                      B. 0.4  
C. -2.5                      D. -0.4

