



# ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

- **Subject : Physical science**      Answers of Worksheet-2      **Class 7**
- **Date : 12.05.2020**
- **Chapter: Light**
- **Answer the following questions (MCQ) :**      **(1×15)**

- Question 1

Q.

Which one is a true fact for plane mirrors?

answer choices

**Angle of incidence + angle of reflection**

**Angle of incidence - angle of reflection**

**Angle of incidence = angle of reflection**

**Answer- angle of incidence = angle of reflection**

- Question 2

Q.

\_\_\_\_\_ is an imaginary line perpendicular to the surface

answer choices

Normal line

Incident line

Reflected line

Answer Normal line

Question 3

Q. A virtual image is a copy of an object formed at the location from which the light rays appear to come.

answer choices

True

False

Answer True

- Question 4

Q. a flat sheet of glass that has a smooth, silver-colored coating on one side

answer choices

plane mirror

concave mirror

convex mirror

solid mirror

Answer plane mirror

Question 5

Q. According to the Law of reflection, a light ray striking a mirror

answer choices

continues moving through the mirror in the same direction

moves into the mirror at a slightly different angle

bounces off the mirror toward the direction it came from  
bounces off the mirror at the same angle it hits.

Answer bounces off the mirror at the same angle it hits.

Question 6

Q. The fact the two angles are the same is an example of....

answer choices

Refraction

Angle of Incidence

Law of reflection

Magnification

- Question 7

Q. The following is a picture of what type of mirror?

answer choices

Convex (diverging) mirror

Concave (converging) mirror

Plane Mirror

Flat Mirror

- Question 8

Q. The following is a picture of what type of mirror?

answer choices

Convex (diverging) Mirror

Concave (converging) Mirror

Plane Mirror

Flat Mirror

Answer Concave (converging) Mirror

Question 9

Q.

Plane mirrors create real images.

answer choices

True

False

Answer False

- Question 10

Q. A material that reflects or absorbs all of the light that strikes it is called which of the following?

answer choices

Transparent

Translucent

Diffuse

Opaque

Answer Opaque

Q11. Focal length of plane mirror is

a. At infinity

b. Zero

c. Negative

d. None of these

Answer a. At infinity

**Q12.** Image formed by plane mirror is

- a. Real and erect
- b. Real and inverted
- c. Virtual and erect
- d. Virtual and inverted

Answer c. Virtual and erect

**Q13.** A concave mirror gives real, inverted and same size image if the object is placed

- a. At F
- b. At infinity
- c. At C
- d. Beyond C

Answer c. At C

**Q14.**In optics an object which has higher refractive index is called

- a. Optically rarer
- b. Optically denser
- c. Optical density
- d. Refractive index

Answer c. Optical density

**Q15.** A concave mirror gives virtual, refract and enlarged image of the object but image of smaller size than the size of the object is

- a. At infinity
- b. Between F and C
- c. Between P and F
- d. At E

Answer- c. Between P and F

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