CL	ASS: X NCERT (CBSE) PHYSICS: For Class 10	Page: 1	
	LIGHT-REFLECTION AND REFRACTION Multiple Chains Questions		
	Multiple Choice Questions		
	Question 1: Light is a form of energy produced by a		
	1. luminous object		
	₂ transparent		
	2. transparent object		
	3. non-luminous object		
	4. opaque object		
		Answer:	1
	Ougation Q. An axample for non luminous object is		
	Question 2: An example for non-luminous object is		
	1. a candle		
	2. the sun		
	3. an electric bulb		
	4. the moon		
		Answer:	4
	Question 3: The phenomenon by which the incident light falling on a surface into the same medium is known as	is sent bac	ck
	1. polarization		
	2. reflection		
	3. refraction		
	4. absorption		
		Answer:	2
	Question 4: When light is incident on a polished surface ref. takes place.	lection	
	1. regular		
	2. irregular		
	3. diffused		
	4. normal		
		Answer:	1
	Question 5: An object becomes invisible when it undergoes reflection.		
	1. regular		
	2. irregular		
	3. diffused		
	4. normal		
		Answer:	1

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LIGHT-REFLECTION AND REFRACTION

Onestion	6.	According	to	the	laws	of reflecti	์ดท
Question	o.	nccorung	ιυ	uic	iaws	OI ICIICCU	oii,

- 1. $\angle i = \angle r$
- $2. \angle i > \angle r$
- $3. \leq r > \leq i$
- 4. ∠i ≠ ∠r

Answer:

Question 7: The image formed by a plane mirror is always _____.

- 1. real and erect
- 2. virtual and erect
- 3. real and inverted
- 4. virtual and inverted

Answer:

Question 8: The centre of the sphere of which the spherical mirror forms a part is called _____.

- 1. centre of curvature
- 2. focus
- 3. pole
- 4. vertex

Answer: 1

Question 9: The focus of a concave mirror is _____.

- 1. real
- 2. virtual
- 3. undefined
- 4. at the pole

Answer: 2

Question 10: A converging mirror is known as _____.

- 1. convex mirror
- 2. plane mirror
- 3. concave mirror
- 4. cylindrical mirror

Answer: 3

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LIGHT-REFLECTION AND REFRACTION

Question 11:	The relation between the focal length and radius of curvature of
а	mirror is .

- 1. $\frac{f}{2} + 1 = f$
- 2.R + 2 = f
- 3. f = R/2
- 4. f = 2 R

Answer: 3

Question 12: Radius of curvature of a concave mirror is always _____ to the mirror.

- 1. parallel
- 2. perpendicular
- 3. inclined at 60°
- 4. inclined at 45°

Answer: 2

- Question 13: An image formed by a convex mirror is always _____.
 - 1. virtual, erect and diminished
 - 2. virtual, real and magnified
 - 3. real, inverted and diminished
 - 4. real, erect and magnified

Answer: 1

Question 14: If the image formed by a concave mirror is virtual, erect and magnified, then the object is placed ______.

- 1. between the pole of the mirror and the focus
- 2. beyond the centre of curvature
- 3. at the centre of curvature
- 4. at the focus

Answer: 1

- 1. concave mirror
- 2. convex mirror
- 3. plane mirror
- 4. cylindrical mirror

Answer: 1

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LIGHT-REFLECTION AND REFRACTION

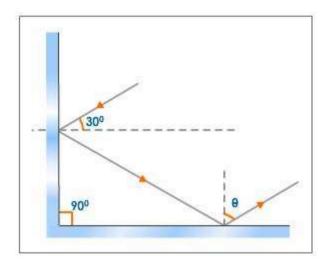
- An object is placed 1.5 m from a plane mirror. How far is the Question 16: image from the person?
 - 1.3 m
 - 2. 1.5 m
 - 3. 2 m
 - 4. 1 m

Answer: 1

- Question 17: An object placed 2m from a plane mirror is shifted by 0.5 m away from the mirror. What is the distance between the object and its
 - 1. 2 m
 - 2. 1.5 m
 - 3.5 m
 - 4.3 m

Answer: 3

Question 18: What is the value of q in the following diagram?



- 1.30°
- 2.45°
- 3.900
- 4.60°

Answer: 4

- Question 19: What is the angle between the incident and reflected rays when a ray of light is incident normally on a plane mirror?
 - 1.900
 - 2.45°
 - 3.180°
 - 4.0

Answer: 4

CLASS: X NCERT (CBSE) PHYSICS: For Class 10 Page: 5 LIGHT-REFLECTION AND REFRACTION Ouestion 20: Name the type of image that can be obtained on a screen. 1. Virtual 2. Real 3. Diverging 4. Converging Answer: 2 Ouestion 21: A ray of light is incident on a plane mirror and the angle of incidence 25°. What is the angle of reflection? is 1.0 2. 50° 3. 90° 4. 25° Answer: 4 A ray of light is incident on a plane mirror and the angle of reflection is 50°. Calculate the angle Question 22: between the incident ray and the reflected ray. 1.50° 2.25° 3.900 4. 100° Answer: 4 Question 23: Which of the following is used to make a periscope? 1. Concave mirror 2. Convex mirror 3. Plane mirror 4. Lens Answer: 3 Question 24: Which mirror has a wider field of view? 1. Convex mirror 2. Concave mirror 3. Plane mirror 4. Cylindrical mirror Answer: 1 The focal length of a concave mirror is 15 cm. What is its radius of Question 25: curvature? 1.15 cm

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Answer: 2

2. 30 cm 3. 7.5 cm 4. 45 cm

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Question 26: The focal	length of a mirror is 15 cm. Identify the type of mirror. 1. Concave mirror 2. Plane mirror 3. Convex mirror 4. Cylindrical mirror
: :	Answer: 3 f light passing through the retraces its path. l. focus centre of curvature pole vertex
Question 28: When	Answer: 2 an object is placed at the focus of a concave mirror, the image will be formed at
Question 29: But Question 30: An principal axis of a con	1. infinity 2. focus 3. centre of curvature 4. pole Answer: 1 ter paper is an example for object. 1. a transparent 2. a translucent 3. an opaque 4. a luminous Answer: 2 object of size 2.0 cm is placed perpendicular to the cave mirror. The distance of the object from the mirror focurvature. The size of the image will be
<u> </u>	1. 0.5 cm 2. 1.5 cm 3. 1.0 cm 4. 2.0 cm
	Answer: 4
	ncident ray passes through the centre of curvature of a herical mirror, the reflected ray will
2. pass th	arough the focus arough the centre of curvature arough the pole its path Answer: 4

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