	Classedge School
	Question Paper
Class	Marks :
Subjec	t Time :
Nar	ne:
Rol	No.: Division:
Quest	ion 1
Which	type of image is formed in a plane mirror?
A.	Real, upside down
	Virtual, erect
C.	
D.	Virtual, upside down
Quest	ion 2
What a	re the properties of the image formed by a plane mirror?
A.	Image is of the same size as the object.
B.	P
C.	Image is at the same distance as the object.
D.	Image is virtual and erect.
Quest	ion 3
	are the few words. Find out 2 words for which lateral inversion is not noticeable. MOM , TAX, HAT, WOW, MAT, AX, HOT
A.	MOM, WOW
B.	HIT, HOT
C.	TAX, MAX
D.	MAT, HAT
Quest	ion 4
The mi	rror image of the following alphabets A, H, I, O, M
A.	Different than the original alphabets
B.	Same as the original alphabets
C.	A, H remains same but the other three will be different.
D.	O and M remains same but the other three will be different

How m	How many images will be formed if two mirrors are placed parallel to each other?					
A C.		☐ B. ☐ D.	2 Infinite			
Quest	ion 6					
How many images will be formed if an object is placed between two mirrors making an angle of 45° with each other?						
A C.		☐ B. ☐ D.				
Question 7						
How many images will be formed if two mirrors are placed perpendicular to each other?						
A. C.		☐ B. ☐ D.	2 Infinite			
Quest	ion 8					
On whi	ch factor does the number of images of an obje	ect betw	veen two plane mirrors depend on?			
B.	Length of the mirror Breadth of the mirror Angle between the mirror					
Question 9						
Perisco	ope is based on the principle of					
A. B. C.	reflection at the two plane mirrors refraction at the two plane mirrors reflection at the two spherical mirrors refraction at the two spherical mirrors					
Quest	ion 10					
The image formed in a periscope is						
A. B. C.	real with lateral inversion real without lateral inversion virtual with lateral inversion virtual without lateral inversion					

Question 5

Question 11				
What is the characteristic of the image formed by a periscope?				
A. Real with lateral inversion B. Real without lateral inversion C. Virtual with lateral inversion D. Virtual without lateral inversion				
Question 12				
Which type of mirror is used in periscope?				
A. Plane B. Concave C. Convex				
Question 13				
What is refraction of light?				
 A. Bending of light rays around the edges of an obstacle B. Reflection of light rays around the edges of an obstacle C. Reflection of light rays when they change the medium of transmission D. Bending of light rays when they change the medium of transmission 				
Question 14				
Which one of the following materials cannot be used to make a lens?				
A. Water B. Glass C. Plastic D. Clay				
Question 15				
What is responsible for twinkling of stars?				
A. Reflection B. Internal reflection C. Total internal reflection D. Refraction				
Question 16				
A pencil placed in water appears bent. It is due to which optical phenomenon?				
A. Reflection B. Interference C. Refraction D. Dispersion				

The bending of a beam of light when it passes from one medium to another is known as				
A. dispersion B. reflection C. deviation D. refraction				
Question 18				
What is unit of refractive index?				
A. Meter B. Meter/second C. Dioptre D. Unitless				
Question 19				
Velocity of light in vacuum is ms ⁻¹ .				
A. 3×10^{6} B. 3×10^{8} C. 3×10^{10} D. 3×10^{15}				
Question 20				
In which situation, a ray of light is not refracted?				
 A. When incident angle is more than refracted angle. B. When refracted angle is greater than incident angle. C. When incident angle is same as refracted angle. D. None of the above 				
Question 21				
For which incident angle of a ray incident on glass slab there is no refraction?				
 A. 45° B. 90° C. = critical angle D. 0° 				

Question 17

Question 22

A light ray is incident normally on a glass slab. What is the angle of refraction?						
A. 0° B. 45° C. 90° D. 1°						