

Class: VII
Subject: Physics
Topic: Light
No. of Questions: 20
Duration: 60 Min
Maximum Marks: 60

1. White light is composed of how many colours?
 - a . 7
 - b . 6
 - c . 8
 - d. 5

a)

2. Which of the following statements is true?
 - a. A plane mirror sometimes forms an invert dim age
 - b. A concave mirror always forms avital, erect and diminished image
 - c. A concave lens always forms a virtual, erect and diminished image
 - d. All of them

d)

3. Light is:
 - a. massless
 - b. A transverse wave
 - c. An electromagnetic radiation
 - d. All of these

d)

4. Lightshows:
 - a. Circular propagation
 - b. A longitudinal wave
 - c. An electromagnetic radiation
 - d. All of these

c)

5. A narrow stream of light is called a:
- ray
 - Rectilinear propagation
 - Curvilinear propagation
 - twilight
- a)
6. In order to be used as mirrors, glasses are coated with:
- copper
 - Silver
 - Aluminum
 - Platinum
- b)
7. The phenomenon of light passing through an object is called.
- refraction
 - Reflection
 - Dispersion
 - None of these
- a)
8. A virtual image larger than the object can be produced by a.
- concave lens
 - Concave mirror
 - Convex mirror
 - Plane mirror
- b)
9. David is observing his image in a plane mirror. The distance between the mirror and the image is 4m. If he moves 1m towards the mirror, then the distance between David and his image will be.
- 3m
 - 5m
 - 6m
 - 8m
- c)

10. The rear view mirror of a car is plane mirror. A driver is reversing the car at a speed of 2m/s. The driver sees in his rear view mirror the image of a truck parked behind his car. The Speed at which the image of the truck appears to approach the driver will be.
- 1m/s
 - 2m/s
 - 4m/s
 - 8m/s
- c)
11. Light travels in
- Curved lines
 - In circular path
 - In straight line
 - Zig-zag path
- c)
12. Change in the path of light after striking a mirror is called
- reflection of light
 - Rectilinear propagation of light
 - Lateral inversion
 - Dispersion
- a)
13. Splitting of white light into seven colours is called
- reflection of light
 - Rectilinear propagation of light
 - Lateral inversion
 - Dispersion
- a)
14. The light that is reflected from a compact disc (CD) consists of
- Seven colours
 - Eight colours
 - Five colours
 - Three colours
- a)

15. Image formed by a convex mirror is a
- Virtual image
 - Erect
 - Diminished
 - All of the above
- d)
16. When an object is placed between the Focus and centre of curvature of concave mirror, then
- Real
 - Inverted
 - Enlarged
 - All of the above
- d)
17. The image which can be caught on a screen is called
- Real image
 - Virtual image
 - Shadow
 - Impression
- a)
18. A virtual image larger than the object can be produced by a
- Plane Mirror
 - Concave mirror
 - Convex mirror
 - All of the above
- b)
19. Latha is observing her image in a plane mirror. The distance between the mirror and her image is 6m. If she moves 2m towards the mirror, then the distance between Latha and her image will be
- 8m
 - 4m
 - 10m
 - 5m
- a)

20. Type of mirror that is used as a rear-view mirror in case of vehicles is

- a. Concave mirror
- b. Convex mirror
- c. Plane mirror
- d. None of the above

b)

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