

Answer all the questions. Each question carries 1 mark.

20 x 1 =20

- Which letter denotes the centre of curvature?
 - P
 - N
 - C
 - A
- _____ is the centre of sphere of which the surface of the lens is a part.
 - Centre of curvature
 - Pole
 - Ray of curvature
 - None
- What is the focal length of the concave mirror, if the radius of the curvature is 10 cm ?
 - 20 cm
 - 15 cm
 - 10 cm
 - 5 cm
- Where does the light fall on the curved surface when it travels from a rarer medium to denser medium?
 - Above the perpendicular
 - Away from the perpendicular
 - Close to the perpendicular
 - Can get deviation anywhere
- The substances on the left of the arrow in the chemical equation are called?
 - Products
 - Reactants
 - Both the reactants and the products are not correct
 - Both the reactants and the products are correct
- Decomposition of vegetables into compost is an example of?

- A. Physical change
B. Chemical change
C. Permanent change
D. Chemical change and permanent change
7. In a chemical reaction, when heat is absorbed and the formation of new substance is called?
A. endothermic reaction
B. exothermic reaction
C. Thermal radiation reaction
D. None
8. How should a chemical equation always be?
A. The atomic number of the products should be higher
B. The atomic number of the reactants should be higher
C. Be Balanced
D. Can be in any way
9. What kind of taste do acids have?
A. Bitter
B. Sweet
C. Sour
D. No taste
10. Lichen is a plant of which group?
A. Brayophaita
B. Thalophaita
C. Teridophaita
D. None of the Above
11. In a neutral solution, what colour does lichen have?

- A. Dark red
- B. Light Green
- C. Dark Purple
- D. White

12. A substance called litmus is collected from which plant?

- A. Mass
- B. Lichen
- C. Fern
- D. Hibiscus

13. The line that joins the centre of curvature and the pole is called _____.

- A. Focal point
- B. Pole
- C. Ray of curvature
- D. Principle axis

14. Which of the following is an example of refraction of light at curved surfaces?

- A. Magnifying Lens
- B. Glasses used to read
- C. Common Mirror
- D. Magnifying glass and the glasses used to read

15. The distance between two consecutive wave peaks is called _____.

- A. Wavelength
- B. Charge
- C. Circuit
- D. None of the Above

16. What is the distance between the lens and retina?

A. 2 CM

B. 2.5 CM

C. 1 CM

D. 5 CM

17. What is the muscular layer between the eye fluid and the lens?

A. Pupil

B. Lens

C. Cornea

D. Irish

18. The defect of vision in which distant objects are not seen clearly?

A. Far-sighted

B. Long Vision

C. myopia

D. All right

19. How many colours are there in Rainbow?

A. Five colours

B. Six colours

C. Seven colours

D. None

20. Who among the following examined the elements of atomic models?

A. J. J. Thomson

B. Rutherford

C. Niles Bore

D. All