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physics Optics about Worksheet الملف

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UNIT TEST

SCIENCE

STD: 10

MARKS: 20

NAME: -----

TIME: 30 min

I. CHOOSE THE CORRECT ANSWER: (3*1=3)

1. Magnification of a convex lens is -----
(a) +ve (b) -ve (c) either +ve or -ve (d) zero
2. The diameter of eyeball is -----
(a) 2.3cm (b) 23cm (c) 2.3mm (d) 23mm
3. In a myopic eye, the image of the object is formed -----
-
(a) behind the retina (b) on the retina (c) in front of the retina (d) on the blind spot

II. FILL IN THE BLANKS: (2*1=2)

4. Interfacing particle of the medium is called as -----
5. Amount of light entering into the eye is controlled by

III. MATCH THE FOLLOWING: (4*1/2=2)

(1)	Simple microscope	One concave lens and one convex lens
(2)	Compound microscope	One convex lens
(3)	Astronomical	Three convex lenses
(4)	Terrestrial telescope	Two convex lenses

IV. ANSWER IN ONE WORD: (4*1=4)

6. Define dispersion of light.

7. Why are traffic signals red in colour?

8. State one function of iris in human eye.

9. State one function of pupil.

VII. ANSWER IN A WORD OR SENTENCE: (2*2=4)

10. When an object is placed at 25m from a concave lens, a virtual image is produced at a distance of 10cm, Calculate the magnification produced by the lens.

11. Differentiate convex lens and concave lens.

VIII. GIVE LONG ANSWER: (1*5=5)

12. List any five properties of light

(or)

Explain the Raman scattering.