PHYSICS

BOOKS - PUNJAB BOARD PREVIOUS YEAR PAPERS

Reflection of Lights and Mirrors

Exercise

1. An object is placed in front of concave mirror of radius of curvature 40 cm at a

distance of 10cm. Find the position, nature and magnification.

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2. An object of height 5cm is placed 200cm in front of concave mirror of radius of curvature 40 cm. Find the size of the image.

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3. An object of size 5 cm is placed at distance 25 cm in front of a concave mirror of focal length 20 cm. Find the size and nature of image formed ? Also find distance of image from the mirror.

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4. Calculate the position of image, when an object is placed at a distance of 15 cm from a convex mirror having focal length 0.45 m.

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5. Define principle axis of a spherical mirror.

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6. Does size of mirror affect the nature of images ?

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7. Define a ray of fight.

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8. What is the focal length of a plane mirror ?

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9. What happens to focal length of a concave mirror when immersed in water ?

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10. Why a convex mirror is used as driver's mirror ? What is its drawback ?

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11. Why a convex mirror is used as driver's mirror ? What is its drawback ?

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12. Concave mirror is used as a make up mirror. Explain.

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13. Establish the relation between object distance, image distance and radius of curvature for a concave mirror.

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14. Why a convex mirror is used as driver's mirror ? What is its drawback ?

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15. Establish the relation between object distance, image distance and radius of curvature for a concave mirror.

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16. Establish the relation between object distance, image distance and radius of curvature for a concave mirror.

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17. Establish the relation between object distance, image distance and radius of curvature for a concave mirror.

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18. By stating assumptions made and sign conventions used, derive mirror formula in case of convex mirror with the help of labelled ray diagram.

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19. Establish the relation between object distance, image distance and radius of curvature for a concave mirror.

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20. Establish the relation between object distance, image distance and radius of curvature for a concave mirror.

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21. Establish the relation between object distance, image distance and radius of curvature for a concave mirror.

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22. Establish the relation between object distance, image distance and radius of curvature for a concave mirror.

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23. Establish the relation between object distance, image distance and radius of curvature for a concave mirror.

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24. By stating assumptions made and sign conventions used, derive mirror formula in case of convex mirror with the help of labelled ray diagram.

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25. Write the characteristics of image formed in a plane mirror

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26. Establish the relation between object distance, image distance and radius of curvature for a concave mirror.

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27. Establish the relation between object distance, image distance and radius of curvature for a concave mirror.

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