

India's Number 1 Education App

PHYSICS

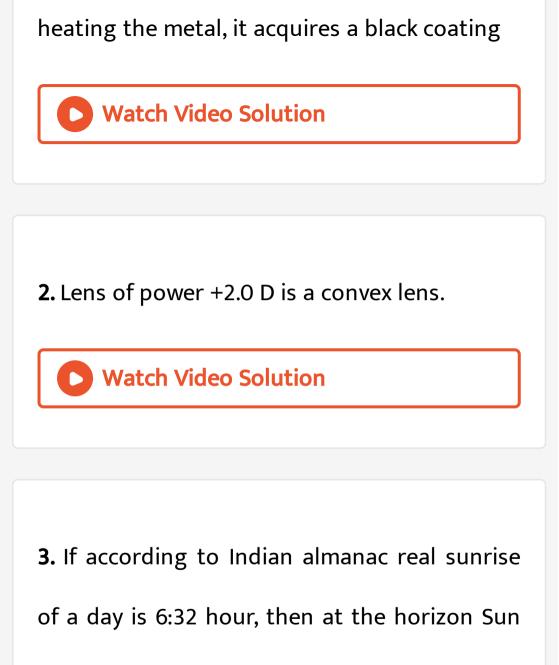
BOOKS - KUMAR PRAKASHAN

MODEL QUESTION PAPERS (QUESTION PAPER 1)



1. The surface of metal acquires a green

coating, when it is exposed to air, but on



will appear at

A. 6:32

B. 6: 34

C. 6: 30

D. 6:36

Answer:

Watch Video Solution

4. In an electric circuit, how can the battery

having 12 V be shown symbolically ?





Section B

1. Draw the ray diagrams showing incident ray and reflected ray for (1) a ray parallel to the principal axis and (2) a ray passing through the principal focus of a concave mirror.



2. State the advantages / merits of a series

combination of resistors.

Watch Video Solution

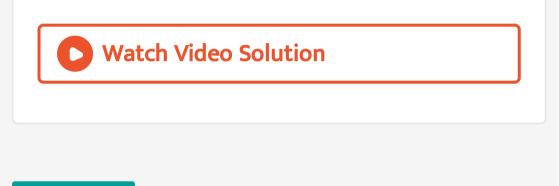
3. State two practical applications of heating

effect of electric current.

Watch Video Solution

4. Explain : An electric fuse is an important

component of all domestic circuits.





1. Draw the ray diagram for the image formation by a convex lens, when an object is placed between principal focus F_1 and optical

centre O. State the position, nature and size of

the image.



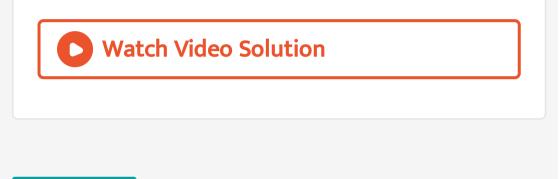
2. A concave lens has focal length of 15 cm. At what distance should the object from the lens be placed so that it forms an image at 10 cm from the lens ? Also find the magnification produced by the lens.



Watch Video Solution

3. Derive the formula of equivalent resistance

of series combination of resistors.





1. Answer the following questions :

(1) On which principle does the solar cooker

work?

(2) State the two advantages of using the solar cooker.

(3) State the two limitations of using the solar

cooker.

