

Chapter: 18

Q.1 Solve the following questions. (2)

A)

1) Find the odd one out

INSAT, EDUSAT, GMRT, IRS

2) State whether the statement is true or false:

Cassegrain telescope uses a combination of concave mirror and convex mirror to reflect the light.

B) Choose the correct alternative and rewrite the sentence (1)

1) A light wave has a wave length of 500nm this wave is

- | | |
|-----------------------|-------------------------|
| a. Visible radiation | b. Invisible radiation |
| c. Complete radiation | d. Incomplete radiation |

Q.2 Give Scientific reason: (ANY 1)

A)

1) Optical telescopes are located in uninhabited places on mountains.

2) X-ray telescope are not based on earth.

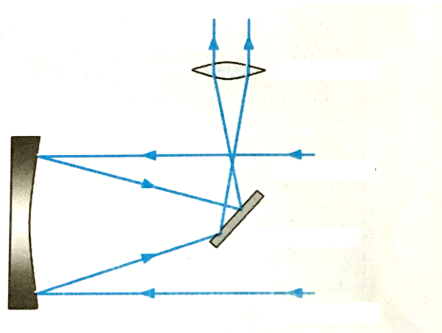
Q.2 Solve the following questions. (Any two) (4)

B)

1) Write short note:

Radio telescope

2) Identify the telescope and label its parts.



3) What are the demerits of refracting telescopes

Q.3 Solve the following questions. (Any two) (6)

1) Explain the working of Chandra

- 2) Explain with the help of neat labelled diagram Refracting telescope.
- 3) Answer the questions based on the following figure.



- a. Identify the telescope shown in the above figure.
- b. Write the uses of this telescope.
- c. Where is the receiver placed? How is the image formed?

Q.4 Solve the following questions. (Any one)

(5)

- 1) What are the difficulties in using ground based optical telescopes? How are they overcome?
- 2) Which type of telescope can be made using a concave mirror, convex mirror, plane mirror and a lens?

Draw diagrams of these telescopes.