

- (2) DNA molecules are called as 'Master molecules'.
- (3) It is necessary to remove harmful and waste substances from the body.

Q2(B) Answer the following questions (any three) :

(6)

- (1) Are the structures and functions of the bodies of plants and animals the same?
- (2) Distinguish between monohybrid and dihybrid cross.
- (3) Write short note on Hubble telescope.
- (4) Name the hormones of the following endocrine gland and the function of each.
Adrenal
- (5) Give any four nitrogen bases in DNA.

Q3) Answer the following (any five) :

(15)

- (1) To overcome these difficulties, telescopes are made using concave mirrors. As light rays get reflected by mirrors in these telescopes, they are called reflecting telescope. In order to get a bright image of a source, large mirrors are necessary, but it is easier to make large mirrors as compared to making large lenses. Also, big mirrors can be made by combining several smaller pieces. The weight of a large mirror too is less than that of a lens of the same size. The images formed by mirrors do not have errors of colour.
 - (1) What is reflecting telescope?
 - (2) Give any one advantage of using lens over mirror.
 - (3) How we can get a bright image of a source?

(2) Meristematic tissue

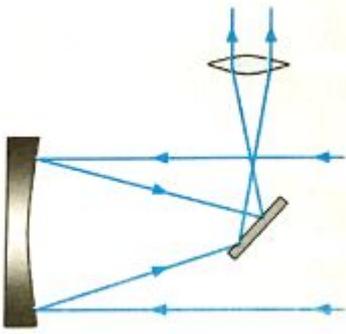
Types	Location	Function
Apical meristem
Intercalary meristem
Lateral meristem

- (3) Draw a neat and labelled diagram of 'Nerve cell'.
- (4) Biotechnology has proved to be very useful.
- (5) What is meant by 'white revolution? Who was its pioneer? What benefits did it bring?
- (6) Complete the paragraph.
(functional, DNA, group, hereditary, linearly, calcium, proteins, nucleotides)
Gene is a segment of molecule. Due to variety of sequences of, different kinds of genes are formed. These genes are arranged. It store the information for synthesis of It control the structure and function of the cells and of the body. It transmit the characteristics from parents to offspring. They are also said to be units of heredity.
- (7) Plants and animals have different types of tissue to performing the necessary functions.
- (8) Cerebrum is largest part of our brain.

Q4) Answer the following (any one) :

(5)

- (1) Write a note on reflex action with the help of diagram.
- (2) Study the figure and answer the following questions:



- (1) What type of telescope is shown in the figure?
- (2) Label the main parts of the telescope.
- (3) Which type of mirror does the telescope use?
- (4) What other type of telescope uses a curved mirror?
- (5) Explain the working of the above telescope.

All the Best

TickMark.Ai