

Chapter: 15 to 16

Q.1 Solve the following questions. (2)

A)

1) Find the odd one out

Traits of pea plant.

colour of stem, colour of pod, shape of pod, colour of the flower.

2) State whether the statement is true or false:

Information about lipids synthesis is stored in the genes.

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

1) The segment of DNA which contains all the information for synthesis of a particular protein is called a '.....' for that protein.

a. gene b. trait c. chromosome d. DNA protein

Q.2 Give Scientific reason: (ANY 1)

A)

1) Organisms produced by asexual reproduction show minor variations.

2) Colocasia leaves are rubbed with lemon or tamrind juice before cooking.

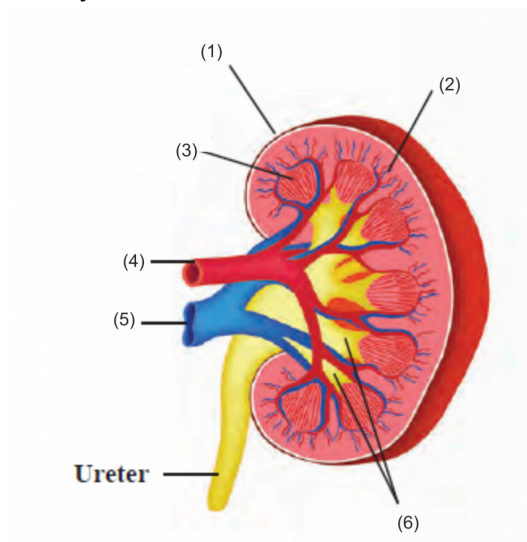
Q.2 Solve the following questions. (Any two) (4)

B)

1) Write short note:

Down syndrome

- 2) Label the diagram.
kidneys



- 3) Distinguish between
Spinal nerves and Cranial nerves

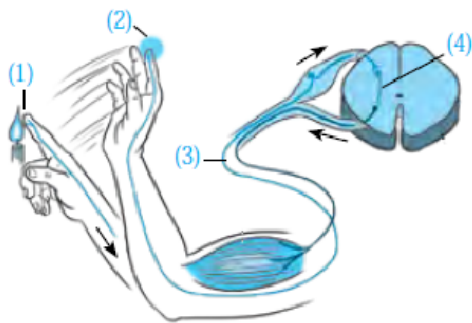
Q.3 Solve the following questions. (Any two)

(6)

- As a response to changes in the surroundings, plant hormones bring about various movements in plants. Explain.
- Complete the given table based on sickle cell anaemia.

Sl. No.	Man	Woman	Progeny
1.	AA		Normal Progeny
2.			50% normal, 50% carrier
3.	AA		All progeny will be carrier
4.	AS	AS	
5.	SS	SS	

3) Answer the following questions based on the given diagram



- What is happening at 1 and 2?
- Which nerve carried the impulse to the point marked 3? In which direction is it conducting the impulse?
- Which is the nerve shown by 4?

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

(5)

- How does excretion occur in human beings?
- Explain Mendel's monohybrid progeny with the help of any one cross.