

B) Answer the following questions.

(5)

1. Find odd man out;
Sindhi, gir, devni, brownswiss.
2. Name the following
Meristem Present at the tip of the root and stem
3. Write the correct co-relation
44 + X : _____ : : 44 + XXY : klinefelter Syndrome
4. State whether True or False.
Nerves originating from the brain are called spinal nerves
5. Define : Antibiotics

Q2. A) Give Scientific reasons of the following. (Any 2)

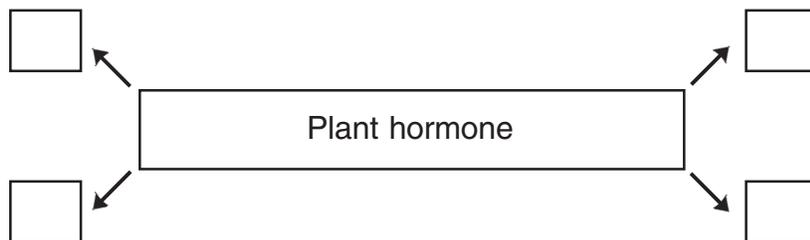
(4)

1. Slim persons feel more cold in winter than those who are obese.
2. Naphthalene balls kept with clothes to be put away.
3. It is necessary for people to have their blood examined before marriage.

B) Answer the following questions (Any 3)

(6)

1. Draw well labelled diagram of Nerve cell.
2. Complete the conceptual chart



3. Distinguish between simple and complex tissue.
4. Write the harmful effects of tobacco addiction.
5. Express your opinion about the use of DNA finger printing.

Q3. Answer the following questions. (Any 5)

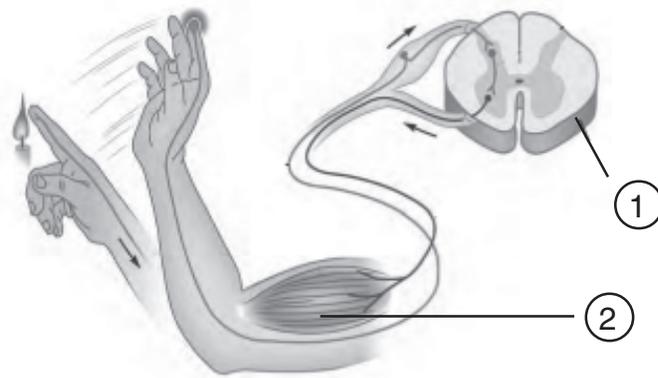
(15)

1. Complete the given paragraph with the help of words given in the bracket.

(Cocoon, adult, Larvae, mulberry leaves, larva, Bombyx mori, Silkworms, Pupa)

Silkworms (moths) are reared for production of silk. _____ is the most commonly used variety for this purpose. The life cycle of the silk moth consists of four stages. Namely egg, _____ pupa and _____. Larvae are nourished by feeding on _____. _____ spin this thread around themselves to form a _____.

2. Which vaccines are given to infants? why?
3. Write a short note on Down syndrome?
4. Study the given figure and answer the following questions.

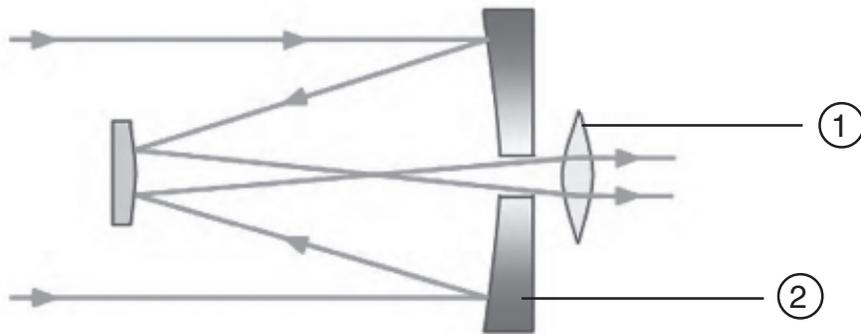


- 1) Explain the process shown in the given figure.
- 2) Label the figure where numbering is done.
5. Explain Mendel's monohybrid cross with the help of characteristic 'Height of plant' by punnet square method.
6. Complete the followig.

Types of connective tissue			
	Type	Location	Function
1.	_____	Closed circulatory system	_____
2.	Cartilage	_____	_____
3.	_____	Skeleton	_____

7. Describe the structure of DNA.

8. Study the given figure and answer the following questions



- 1) What type of telescope is shown in the figure?
- 2) Label the figure where numbering is done?
- 3) Which type of mirror does the telescope use?

Q4. Answer the following questions. (Any 1)

(5)

1. Explain with a well labelled diagram of cardiac muscle: location, structure and function.
2. What is Biotechnology? Impact of biotechnology on agricultural management with suitable examples.

