

Chapter: 16

Q.1 Solve the following questions. (2)

A)

1) Find the odd one out

Mutation in a single gene.

Down syndrome, Turner syndrome, Albinism, Klinefelter syndrome.

2) State whether the statement is true or false:

Chromosomal abnormalities include either increase or decrease in numbers and deletion or translocation of any part of the chromosome.

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

1) Chromosomes in men are represented as

a. 45+XY b. 44+XY c. 44+XXY d. 44+XX

Q.2 Give Scientific reason: (ANY 1)

A)

1) We should not avoid living with a person suffering from a genetic disorder.

2) It is necessary for people to have their blood examined before marriage.

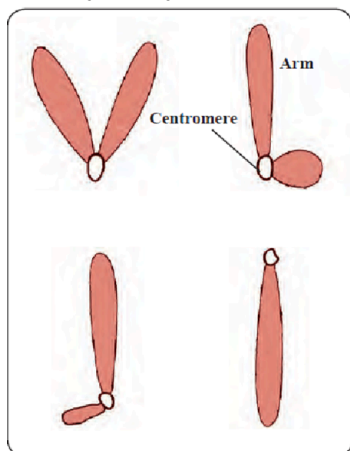
Q.2 Solve the following questions. (Any two) (4)

B)

1) Write short note:

Albinism

2) Identify the type of the chromosome.



3) Distinguish between

Turner syndrome and Klinefelter syndrome.

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

1) RNA is the second important nucleic acid of the cell. Explain.

2) 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) Identify the type of RNA and explain them:



Prism
Colours of your Dreams

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

(5)

1) **Answer the following Questions-**

- What is present in tobacco which leads to harmful effects?
- In which two ways is tobacco generally consumed?
- Excess tobacco can cause effects on which parts of the body?
- What present in tobacco smoke causes blackening of lungs?
- Name any two chemicals present in tobacco.

2) Explain Mendel's monohybrid progeny with the help of any one cross.