



5a) Identify the type of immunity which is transmitted from parents to their off springs. (1mk)

b) Explain why a pregnant woman excrete less urea in her urine than a non – pregnant woman. (2mks)

c) Give 4 adaptations of red blood cells to their functions.

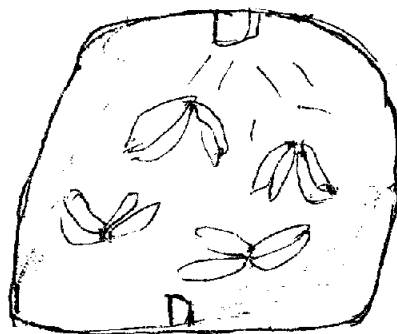
i)

ii)

iii)

iv)

6. The diagram below represents a stage during cell division.



i) Identify the stage of cell division \_\_\_\_\_

(1mk)

ii) Give 2 reasons for your answer in 6(i) above. (2mks)

a)

b)

7. Give the importance of pollen tube in fertilization in plants. (2mks)

8. A student drew 6cm long diagram of a plant flower. If the actual length of the flower was 12 cm. Calculate the magnification of the drawing made by the student. Show your working. (2mks)

9. The table below shows the conc. of sodium and iodine in sea water and cell sap of a plant.

	Sodium ion conc.	Iodine in conc.
Sea water	250	35
Cell sap	100	550

a(i) Name the process through which the plant cells take up sodium ions. (1mk)

