

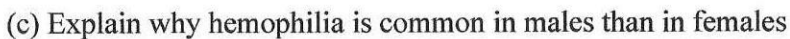
*Answer all questions in this section*

(a) State the genotypes of the parents

(2mks)

Mother:  $X^H X^h$

(4mks)



(2mks)

*Since males have one X and one Y chromosome, and the genes present on X don't have counter genes on Y; only one affected gene (to be present on X) is required for the disease to occur in males;*



$$\begin{array}{r}
 S=2 \\
 A=2 \\
 P=1 \\
 C=1 \\
 \hline
 06
 \end{array}$$

Mass of embryo

(g)  $\times 10^2$

40

35

30

25

20

15

10

0.05

0

2

4

6

8

10

12

Time after Sowing (days)

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