

c) Account for the difference in the volume of the foam that was produced in solution K and solution M (2mks)

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d) Cut a piece of potato measuring 1cm^3 from the remaining potato .Use the reagent provided to test for the food substance (3mks)

Test	Procedure	Observation	Conclusion

2. You are provided with photographs of specimen Q and N together with actual specimens H, K and P. specimen H is a complete plant while K is a portion of a different plant. Observe the specimens and the photographs and use them to answer the questions that follows.

a) State two observable differences between the leaves of H and K. (2mks)

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b) Explain how the stem of specimen H adapts the plants to photosynthesis (2mks)

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c) State the ecological importance of specimen H (1mk)

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d) Describe how specimen K is adapted to its habitat (2mks)

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e) Explain the consequences of spilling common salt to the soil in which specimen H is growing.

(2mks)

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f) With a reason identify the subdivision from which specimen H and K belong

(2mks)

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.....

g) Cut a longitudinal section of specimen P. using the observable features.

i) Identify the type of placentation

(1mk)

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.....

ii) With a reason classify the type of fruit to which it belongs.

(2mks)

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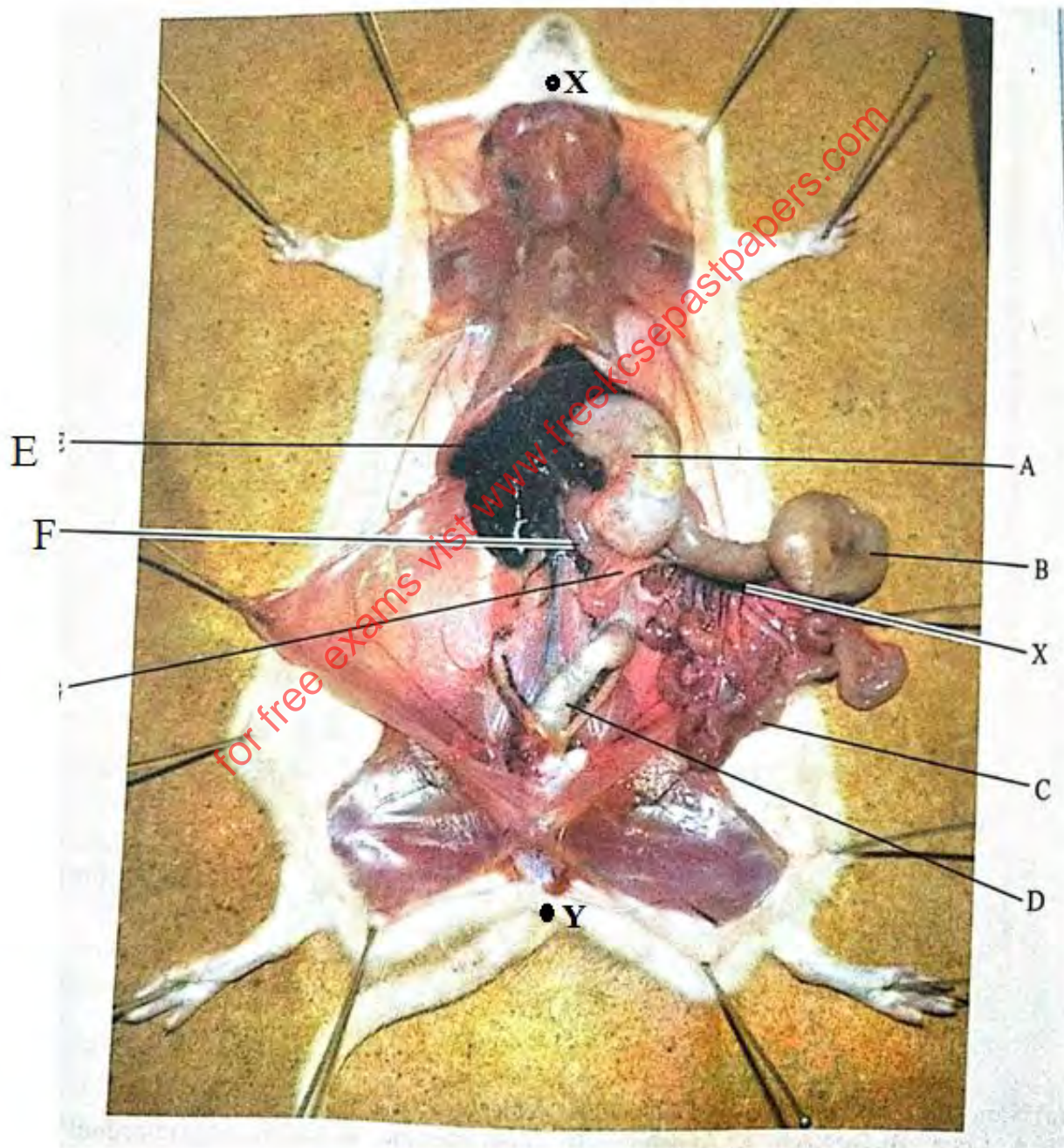
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h) Use the photographs of Q and N to complete the table below (4 mks)



SPECIMEN	MODE OF DISPERSAL	ADAPTIVE FEATURE
Q		
N		

3. Below is a photograph of a dissected rat with abdominal organs spread out. Examine it



a) State two characteristics that distinguish the dissected animal into its taxonomic class. (2mks)

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b) Name the parts labelled (3mks)

i) B

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ii) C

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iii) F

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c) State

i) Two functions of part labelled A (2mks)

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.....
.....

ii) The function of D (1 mk)

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d) Other than homeostasis and excretion state two functions of structure E (2mks)

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