FORM FOUR CLUSTER KCSE MODEL2

BIOLOGY PAPER 3 QUESTIONS

F	Procedure. (1 mark)
(Observation. (1 mark)
	Conclusion. (1 mark)
k	b) Use Benedict's solution to test the presence of the food substance in solution P. Food substa
	1mark)
F	Procedure. (1 mark)
(Observation. (1mark)
	Conclusion. (1 mark)
k E	Place 3 ml of solution P in a test tube. Add 3 ml of solution N and place the test tube in a war bath maintained at 370 C. Allow to stand for about 30 minutes. Test for food substance using Benedict's solution. i) Record your observation. (1 mark)
	i) Account for your observation in c (i) above (2marks)
	d) Suggest the identity of solution N. (1 mark)
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•	e) Why was the test tube placed in a water bath maintained at 370 C.? (1 mark)

ii) Give two reasons your answer in 3 (a) i above. (2marks)
b) Using observable features only, classify the animals into their respective classes. R Class. (1 mark)
Features. (3mrks)
S Class. (1 mark)
Features (2marks)
T Class. (1 mark)
Features. (2marks)
c) State three observable differences between specimens R and S. (3marks)
Attached P and Q are photographs of tissues of specimens taken from the same organism which were observed under a light microscope at different magnifications.
a) With a reason state the kingdom to which the organism the specimens were taken from belongs to. (2marks)
Kingdom.
b) Reason
State the significance of each process. (3marks)
Cutting thin sections

3.

Keeping sections in distilled water
Staining of the sections.
d) Make a drawing of one cell showing how the cells will appear if the specimen was placed in saturated salt solution. (2marks) i) Label the structures K and L. (2marks)
KL
ii) State two ways in which the structure L is used to its function. (2marks)