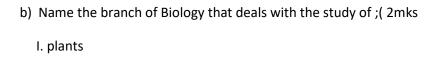
NAME:	ADM NO:	
DATE:		
BIOLOGY		
FORM ONE		
END OF TERM 3 EXAMS		

Instructions to candidates:

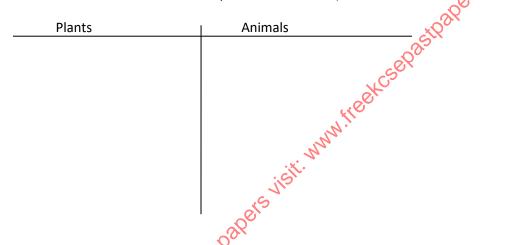
- KOT MOTE Past Pagers visit. Www.freekcsepastpagers.com a) Write your Name and Admission number in the spaces provided
- b) Write the date of examination in the space provided
- c) Answer all questions in the spaces provided

1. a) Name the branch of science that deals with the study of living things(1mk



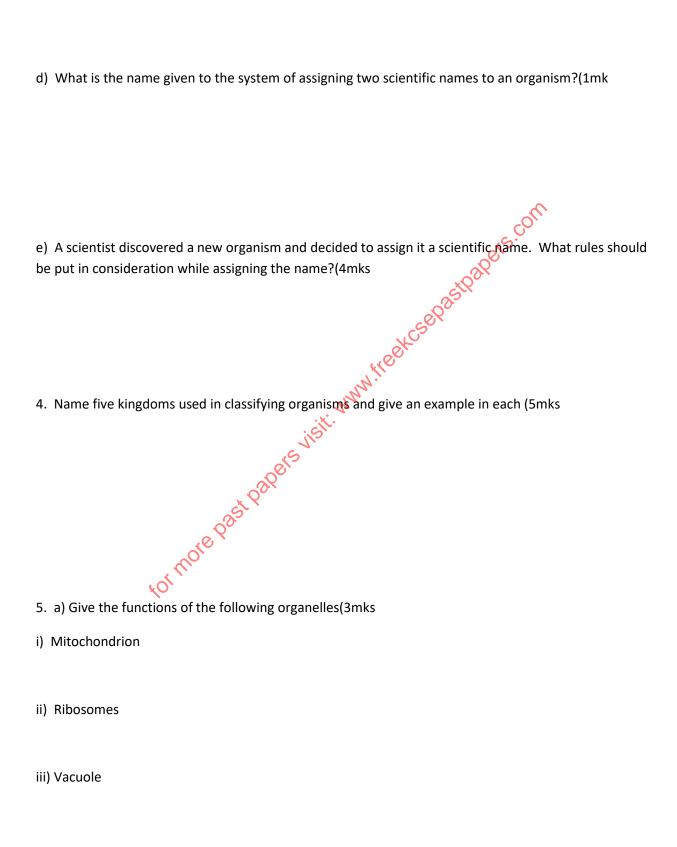
ii. Animals

2. State three differences between plants and animals (3mks

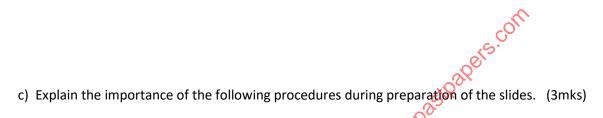


3. a) Distinguish between taxonomy and taxon (2mks

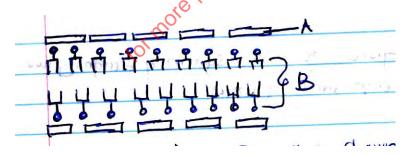
- b) Define the term species (2mks
- c) State the seven classification units starting from the smallest unit (7mks $\,$



b) In an experiment to estimate the size of a cell a student determined the field of view to be 3mm. On observing onion epidermal cells, he counted 11 cells across the field of view. Determine the size of each cell. (3mks



- i.Cuting thin sections
- ii. Staining
- iii. Placing section in water
- 6. The diagram below represents a cell organelle. Study it and answer the questions that follow



- a) Name the organelle shown above (1mk
- b) State two functions of the organelle (2mks

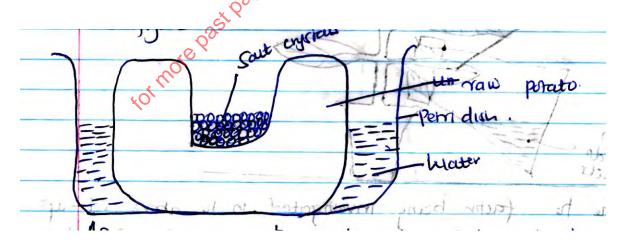
c) Name the parts labeled (2mks

Α

В

- d) State two properties of the organelle you have named (2mks
- 7. Explain the following terms (3mks
- i) Diffusion
- ii) Active transport
- iii) Plasmolysis

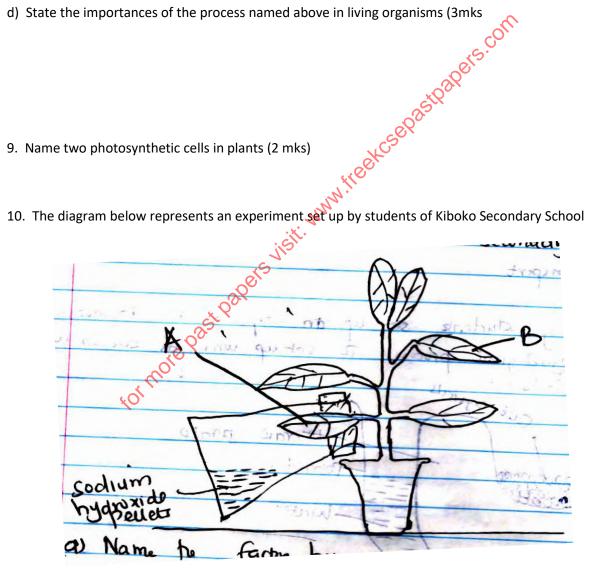
8. A group of students set up an experiment to investigate a certain physiological process. The set up was as shown in the figure below



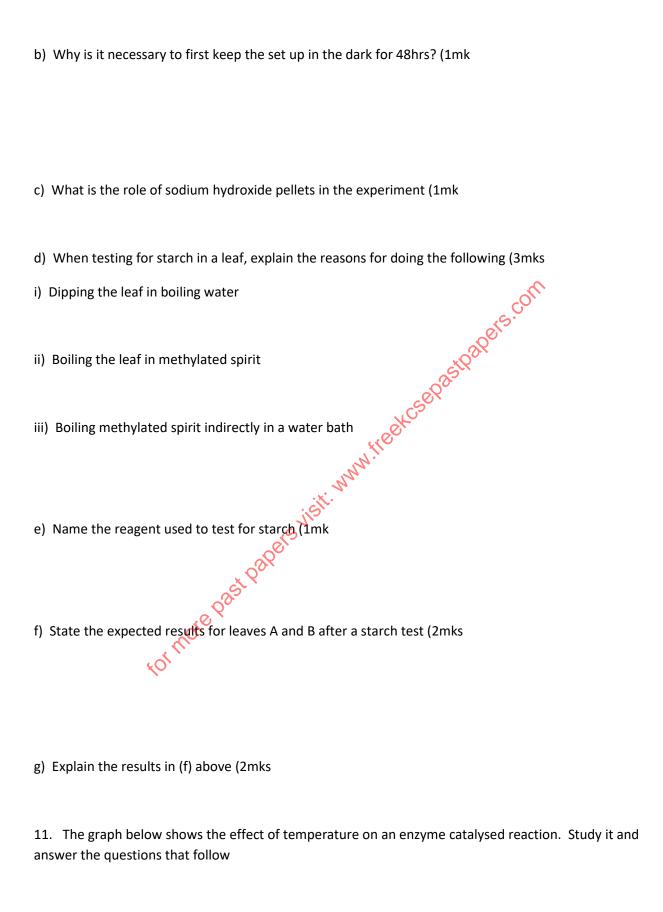
After sometimes the students observed that the level of the salt solution had risen

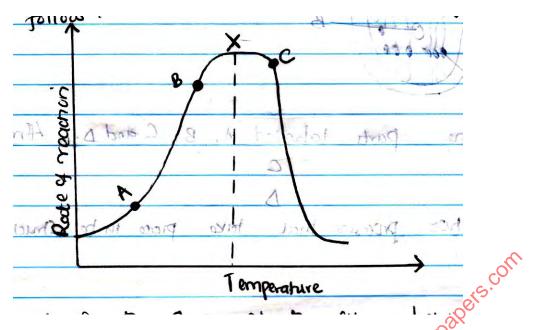
a) Name the physiological process being investigated (1mk

- b) Account for the rise in the level of salt solution in the experiment (3mks
- c) Suggest the results that the students would obtain if they repeated the experiment using a piece of boiled pawpaw (1mk
- d) State the importances of the process named above in living organisms (3mks



a) Name the factor being investigated in the above set up (1mk





a) Account for the shape of the curve between points A and Branks

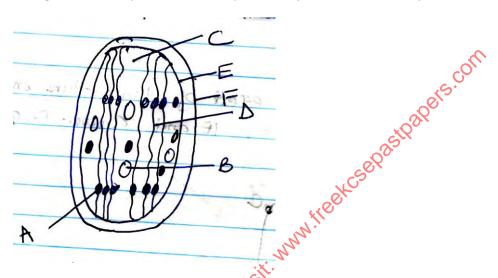
b) What does the point marked x represent? (1) in k

c) Explain the curve beyond point c (2mks

12. a) Name the elements present in carbohydrates(3mks

- b) Name carbohydrates that is ⊗3mks
- i. Abundant in mammalian blood

- ii. Stored in the liver
- iii. Stored in seeds
- 13. The diagram below represents a chloroplast. Study it and answer the questions that follow



- a) State the function of this organelle (1mk 🔾
- b) Name the parts labeled A, and C. (2mks

Α

C

- c) List two processes that take place in the structure labeled A (2mks
- d) Name the process that takes place in the structure labeled C (1mk

