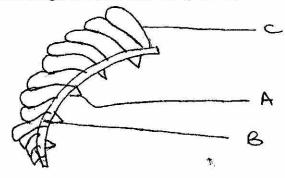
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GATITU SECONDARY SCHOOL P.O. BOX 327 GATUNDU END OF TERM TWO EXAM BIOLOGY FORM 3 PAPER 1

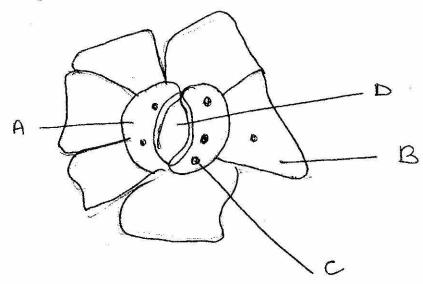
NAME	CLASS	ADM
Attempt all questions. 1a) Which biological name is give to bio chemical reaction. (1mk)	logical catalyst found in living cells th	at speed up the rate of
b) Name the two building blocks of lipid i)	ls .	ž.
ii)	(2mks)	
2.a) Name the blood vessel that transport i) Heart to the Lungs (1mk)	ort blood from:	
ii) Small intestines to the liver (1mk)		
b) Explain why blood from a donor who blood group is B	se blood group A cannot be transfus (2mks)	ed into a recipient whose

3. The diagram below represent the gill of a bony fish. Study it and answer the questions below.



- i) Name the part labeled 3mKs
 - Α
 - В
 - C
- ii) State the function of the part labeled B (1mk)
- iii) Give three adaptations of how C is adapted to perform its function (3mks)

4. The diagram below represent gaseous exchange site in a plant.



- i) Name the cells labeled. (2mks)
 - Α
 - B

				A		
ii)	What is the	main function	of the	cell labeled	8	(2MKS)

When a leaf is exposed to bright light, and is supplied with plenty of water, what two substances would moving of the leaf D. 2 mics

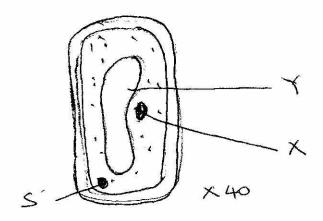
a

- iv) In what kind of environment would you expect to find a) Plant with stomata on the upper surface (1mk)

 - b) Plant with stomata on the lower surface (1mk)
- 5. Below is an equation showing aerobic breakdown of a certain substance. C52 H_{98} O_6 + 148 O_2 102 Co_2 + 98 H_2O + Energy
 - i) Calculate the respiratory quotient of the breakdown (3mks)

- ii) Identify the food substance being oxidized (1mk)
- iii) Name the end product of respiration in plants when there is insufficient oxygen. (2mks)

- 7. State the function of each of the following organelles 2mics
- i) Nucleolus
- ii) Golgi apparatus
- 8. The diagram below represents a cell seen under the light microscope.



a) Name the part labeled (2m/ks)

X

Υ

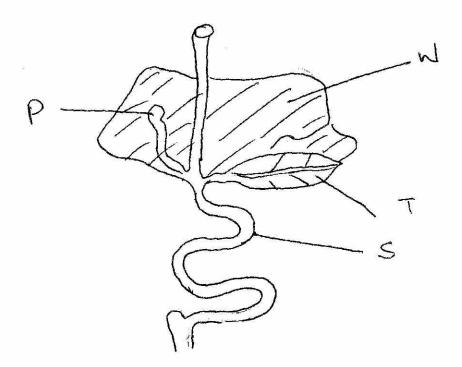
b) State function of part labeled (2mics)

S

٧

c) The diameter of the above drawing(image) is TIME 3 Calculate the diameter of the actual cell in Micrometer. (3mks)

8. The diagram below represent a part of human alimentary canal



i) Label parts 3 w (C)

W

T

Secretion from

- ii) Name three contents of the part labeled T 3
- iii) Give two adaptations of the part labeled S to its function