1. You are provided with a visking tubing, a solution labeled L, lodine solution labeled solution E, Benedict's solution labeled solution F and a piece of thread.

Tie one end of the visking tubing tightly using the thread provided. With the help of a syringe, put 10ml of the solution labeled L into the visking tubing. Tie the other end of the visking tubing tightly.

Ensure that there is no leakage at both ends of the visking tubing.

Wash the outside of the visking tubing with water. Place the visking tubing upright in a 100ml beaker. Add distilled water into the beaker to reach the level of the liquid in the visking tubing. Allow the set up to stand for 30 minutes or more.

(a) Using 2ml in a test - tube in each case, test for the food substance in the liquid outside the visking tubing using:

(6 marks)

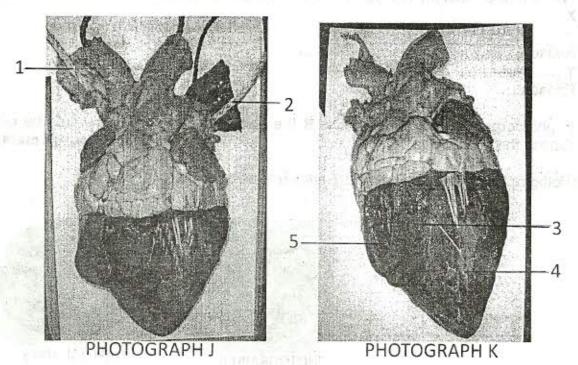
١.	3 3	Janes (o marko)		
	TEST	Procedure	Observations	Conclusion
1	(i) iodine solution (Solution E)			11/2/1
-	(ii) Benedict's solution (solution F)			

(b) Using 2ml in a test-tube in each case, test for the food substance in the contents of the visking tubing using:

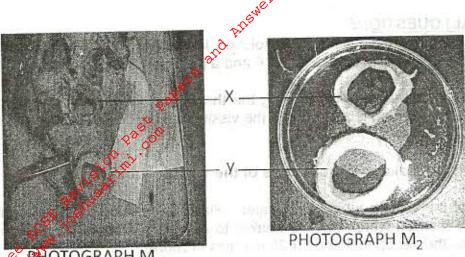
TEST	Procedure	Observations	Conclusion
(i) iodine solution (Solution E)			and Address of the second
(ii) Benedict's solution (solution F)			

(c) Account for your results in (a) and (b) above.	(3 marks
(a)	
(b)	

2. The photographs labeled J, K, M₁ and M₂ are sections of a mammalian heart. Examine them.



Tips on passing KCSE subscribe freely @ http://www.joshuaarimi.com Support thru' M-pesa 0720502479. Connect with Joshua Arimi on facebook. Not 4 resale

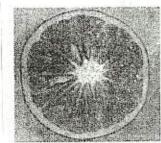


PHOTOGRAPH M₁

The blue, green and cream strings go through various blood vessels and end up at various chambers of the heart. For each string, name the chamber where the string ends and the blood vessel through which the string goes. (8 marks)

	String	Gilanibei		18743511
	Blue	The bearing and the state of th	4-7	· 4
	Green		311711711111	
	Cream 1	He v registroment manufacture and the		
	Cream 2		- Musikun	
(b)	Name the part	abeled 3 in photograph K .		(1 mark)
(c)	The parts labeled 4 and 5 are walls of two chambers of the heart. difference in the thickness of the walls.		Account for the (1 marks)	
(d)	Photograph M ₁ shows two blood vessels labeled X and Y while M ₂ shows transverse sections of the same blood vessels.			
	With a reason,	identify the type of each of the blood ve	ssels.	(4 marks)
	X		1	
	19	The second secon	in.	
	The second second second second		4	
	ΥΥ			
	Reason			
		wer committee en en believe en		

- (e) In photograph K, indicate by letter B the part of the heart which would be cut to expose the bicuspid valve. (1 mark)
- 3. The photographs labeled Q, R, S and T are sections of some parts of plants.



PHOTOGRAPH R



great irri rangisi,

Blood vessel

PHOTOGRAPH S

VACTOR AND IN

ale minus - Alexandrin Sala

will as promoved sellie

	PHOTOGRAPH I	
	QRRRRRRR	otographs Q, R and S. (3 marks)
40°	,	(5 marks)
٠ ټ	R	
13/6/	S	763 1 - 1814 3000 1 1 1 1 E
7	3	18* C = G@II WE
	(b) Label a seed in photographs R and S.	(2 marks)
	(c) Name the parts labeled 6, 7, 8, 9 and 10 in photograph T.	(5 marks)
	6-:	ASSESSMENT LEGIS
	7	August 1 Court of the Court of
	8 conductor processes and a second control of the second control o	
	0	
	10	. High y viscolla call for the land grown in a grown in
	(d) Giving a reason in each case, name	ne the mode of dispersal of
	each of the specimens in photographs Q and T.	HEAVIER STREET, THE STREET, TH
	Q	
		China and the world and
	T	Coupe diamina n
	Peacon	

Secretary to the second of the

Tips on passing KCSE subscribe freely @ http://www.joshuaarimi.com Support thru' M-pesa 0720502479. Connect with Joshua Arimi on facebook. Not 4 resale

the states while they have been been been been and a second a subject while a