ALLANCE HIGH SCHOOL

NAME:	INDEX NO:
CLASS:ADM	I NO DATE:
Q'O	
€ ² 31/3	
DIOLOGY DDT TOTAL	2015
PAPER 3	
TIME 1HR 45 MIN	

INSTRUCTIONS TO CANDIDATES

- 1. Write your name and index number in the spaces provided.
- 2. You are required to spend the first 15 minutes of 1³/₄ hours allowed for this paper reading the whole paper carefully before commencing your work.
- 3. Answers must be written in the spaces provided in the question paper.
- 4. Additional pages should not be inserted candidates may be panelized for recording irrelevant information and for incorrect spellings especially of technical terms.

FOR EXAMINERS USE ONLY.

QUESTIONS	MAXIMUM SCORE	CANDIDATE'S SCORE
1	19	
2	11	
3	10	
SCORE	40	

Leekce Pas

1. You have been provided with solutions T1, T2 and T3, Benedict's solution, iodine solution. Solution T2 is the same as T3 except that T3 has been boiled.

a) See Benedict's solution and iodine solution provided to test for food substances contained in the solution T1. Record your results in the table below. (6mrks)

Food substance Procedure Observation conclusion

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Label three test tubes A, B, and C. Treat each test tube as follows

J'26'1X

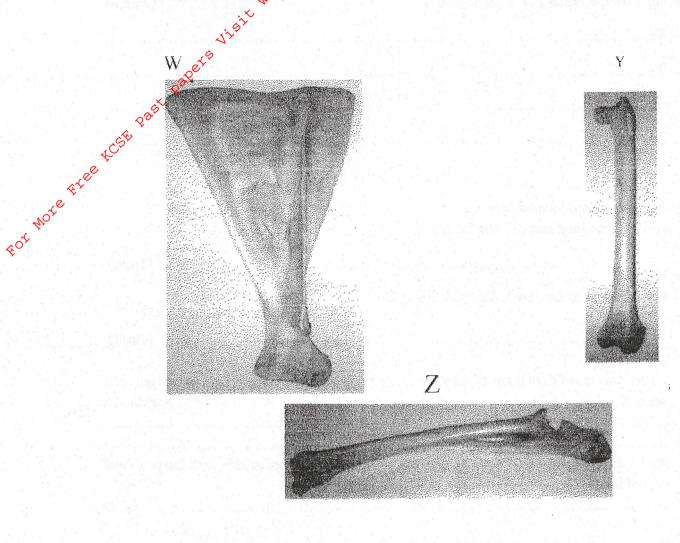
Test tube	Treatment
Α	Put 1ml of solution T1
Ragi	
B csp	Put 1ml of solution T1 and add equal amount of solution T2
C	Put 1ml of solution T1 and add equal amount of solution T3

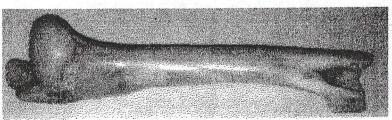
Place the three test tubes in a warm water bath maintained at temperatures between 30°C and 37°C for 30 minutes.

b) Test the food substances in each test tube using Benedict's solution. Record your results in the table below. (6mrks)

Test tube	Observation	Conclusion
A		
В		
	되었다고 좋지 않는 그리 생활하다.	
C		

2. You have been provided with the photographs of bones obtained from a mammal. Examine them carefully.





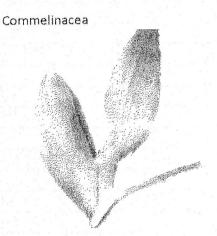
(4mrks) b) Name the joint formed between Proximal end of bone W and X · i) (1mrk) ii) Bone Z and the distal end of bone X c) Name two muscles that are attached to the bone X which are useful for the movement of bone X d) Name the articular surface of the mammalian skeleton that articulates with the proximal end of bone Y e) State two adaptations of bone W to its function (2mrks)

Compositae

Compositae

Rot More Hree Kosh Dager More







Bignoniceae

Nystaginaceae

Using the features in the order given below, construct a dichotomous key that can be used to identify the specimens

Simple or compound leaves.

Leaf venation

identify the specimens

- Leaf margin
- Arrangement of leaves on the stem
- Pinnate or trifoliate nature of leaves

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4		
e		***********

