BIOLOGY 231/3 PRACTICAL marking scheme

_ 1.				
FOOD	PROCEDURE	OBSERVATION	CONCLUSION	
SUBSTANCE				
STARCH;	To 3ml of solution S in a test tube	Colour changes to blue-black	Starch present;	
	added 3 drops of iodine solution;			
REDUCING	To 3ml of solution S in a test tube,	Colour changes from blue to	Reducing sugars	
SUGARS;	added 3 ml of Benedicts solution;	green to yellow to orange; /	present;	
	heated;	colour changes to orange		
PROTEIN;	To 3ml of solution S in a test Tube	Colour changes to purple;	Protein present;	
	Added 2ml of Sodium Hydroxide			
	Followed By 2ml of Copper			
	sulphate;			

2. a) 1. Neural spine; 5. Ilium;

2. Zygapophysis;

- 6. Acetabulum;
- 3. Transverse process;
- 7. Olecranon process;

4. Centrum;

- 8. Sigmoid notch;
- b) Functions of the parts labeled
 - 1. Muscle attachment;
 - 6. Articulation (of the bone) with the head of femur;
 - 7. Offers area for attachment of tendons; prevents overstretching of the forearm at the joint; Joint between bone L and M – immovable joint; / fixed joint

b)

Plant	Identity	Steps
A	Geranium	1b, 4b, 6a
В	Pistia	1b, 4a, 5a
С	Money plant	1a, 2a
D	Hibiscus	1b, 4b, 6b
Е	Grass	1a, 2b, 3b
F	Zibrina	1a, 2b, 3a
G	jacaranda	1a, 4a, 5b

- **E** Monocotyledonae; c)
 - **C** Dicotyledonae; (2mks)