**TRIAL ONE EVALUATION TEST**

**BIOLOGY PAPER 1 MARKING SCHEME**

1. Generic name/Genus
2. Site for attachment of respiratory enzymes

3a. Visking tubing swell/turgid

b. Water molecules more into the visking tubing by osmosis

4a. i) Granna

 ii) Stroma

b. K- Photosynthesis

 L- Respiration

5a. i) Mostication- crushing of food by teeth in the mouth

 ii) Peristalysis – movement of food through oesophogus by aid of contraction and relaxation of

 muscles.

 iii) Churning - Mixing of food in the stomach

b. To prevent it from digesting cells that produces it.

6a. Xylem – Transportation of water & mineral salts

 Phloem – Transportation of manufactured food

b. Root

 Root hairs

 Absence of pith

8. Serum – plasma witout blood proteins

 Sebum- substance released by skin that it keep it moist & flexible

9a). Vit K – Formation of prothrombiu

 Ca2+ conversion of thromboplastiun to plastin

 10a. Grass mice snakes Hawks

 Grass mice snakes Domestic cats

 b. Mice

 c. Lizard, Snakes, Domestic cats

11. i) Pophase 1

 ii) Causes variation.

b i) The placenta takes over the role of the hormone production

 ii) Most amino acids are used to formation of new tissues of the foetus

12a i) Epigeal

 ii) – Storage of food

* Protection of phunule & radicle
* Photosynthesic role during early stages of germination

13. Growth occurs immediately after monthly and stops when the hard exoskeleton forms again

14ai) - Chloroplasts presence

* Thin outer and thick inner layer

 ii) Starch sugar interconversion theory

 Photosynthetic theory

 Pottasium ion theory

b. Stomata

 Lenticells

 Pneumatophores

15a.



b. Water flows in an opposite direction in relation to the flow of blood

 i. This increases conc gradient of O2 & CO2

16. Obligate

 Facultative

17a. 102

 145 = 0.703

b. Lipid

18. A- lusulin

 B- Glucagon

19. Ribonucleic acid ( RNA)

 Presence of Uracil

20a. Structures with different origin but modified to perform same function

 b) Mark any relevant examples



21.

50%

22. Make structure more clear

 Allow penetration of light

 Salmonella typhi