

GATTU SECONDARY SCHOOL, P.O. BOX 327 – 01030, GATUNDU.

FORM 3 BIOLOGY. 3RD TERM TUNE – UP EXAMINATION. 2014.

1. Give three stomatal adaptations shown by xerophytes to reduce transpiration.

- i)
- ii)
- iii)

2. The red blood cells contains haemoglobin which combines with respiratory gases during transport. Name the compound formed when haemoglobin combines with the gases named below; (3mks)

	Respiratory gas	Compound
i)	Oxygen	
ii)	Carbon Monoxide	
iii)	Carbon IV oxide	

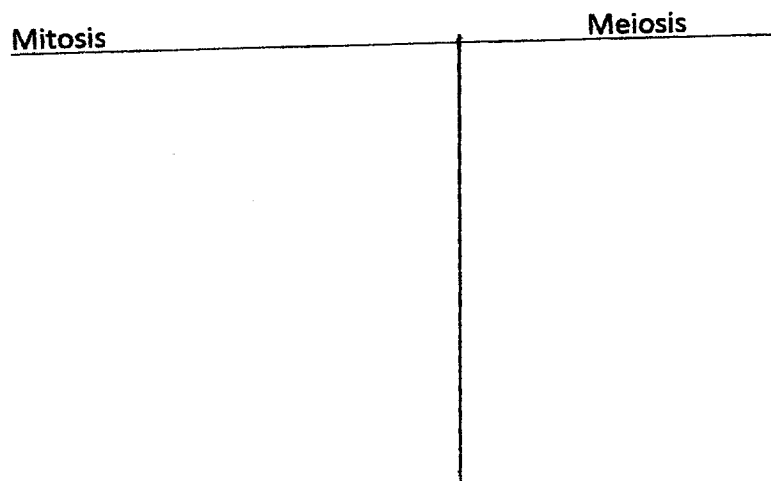
3. Give the fundamental difference between cells produced during mitotic and meiotic division. (2mks)

4. If you are provided with a food sample, give the procedure and observation on how to determine whether the sample contains reducing sugars.

Procedure:- (3mks

Observations; (1mk

5a) State three differences between mitotic and meiotic division. (3mks



b) State two events which occur during prophase 1 of meiotic division. (2mks

i)

ii)

6a) give the roles of the following parts of a flower. (2mks

i) Sepals :-

ii) Anthers:-

b) Name the female parts of a flower. (3mks

i)

ii)

iii)

7a) Describe typhoid under the following subheadings.

i)Cause :- Name of bacteria _____ (1mk

ii)Control methods (2mks

i) _____

ii) _____

b) Describe schistosomiasis under the following sub headings.

i)Species of schist soma that causes schistosomiasis.

i)

ii)

iii)

ii) Infective stage that infect human being. (1mk

iii) Larva stage that enters into water snail _____ (1mk

iv) Observation on urine of an affected person.

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