## PANGANI GIRLS SCHOOL BIOLOGY DEPARTMENT

PAPER 1 THEORY	
PRE-MOCK EXAM	
MARCH,2013	oft
TIME - 2RRS.	
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	ax
Name: II	ndex Number:
	280
Class: Cl	ass No:
	fre-
	5
INSTRUCTIONS.	
Answer all the questions in the spaces provide	d
All drawings must be in pencil.	u.
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<u>FOR EXAMINER S US</u>	<u>E UNLT.</u>

QUESTION		CANDIDATES SCORE
1 - 25	80	
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ForMe		

1.a.	Write the dental formula of an adult human.	(1mk)
Ŀ		(2
D.	Name two dental diseases.	(2mks)
i.		
ii.		com
2.	Give two reasons for classifying organisms.	(2mks)
i.	StPar	
ii.	freekcseR	
3. a.	State the name given to the study of the cell –	(2mks)
b.	microorganisms –	
4. a.	State the functions of ; Mitochondria -	(2mks)
	St Past	
b.	Cell membrane -	
	orefree	
5.	Distinguish between haemolysis and plasmolysis.	(2mks)
4 <sup>0</sup>		

6. Explain why it is not advisable to be in a poorly ventilated room with a burning charcoal stove. (3mks)

		s.on
7.a.	What is meant by the term non-disfunction?	(1mk)
b. i.	Give an example of a genetic disorder caused by; Non-disfuction	(1mk)
ii.	Gene mutation	(1mk)
8.a.	Name the causative agents of the following diseases in humans.	(2mks)
i.	Typhoid -	
ii.	Amoebic dysentery -	
b.	Name the disease caused by Plasmodium falciparum -	(1mk)
9.	Explain why plants do not require specialized excretory organs.	(4mks)
FOR		



13.a. What prevents blood in the veins from flowing backwards. (1mk)

b. State 3 ways in which the Red blood cells are adapted to their functions.

(3mks)

14.a. State two disadvantages of sexual reproduction in animals? Particular (2mks) i. Pregnancy continues if the ovary of -four months. Explain et xplain xplain cst cst cst cst

15.	State three effects of dumping untreated sewage into a river.	(3mks)
i.		
ii.		•
		S. COM
iii.	202 Pe	
	eRastx	
16.	Explain how the following factors determine the daily energy requirement in human.	ents (3mks)
a.	Age:	
	isit N	
b.	Occupation :	
	2 Pat	
C	Sex -	
	eet	
	refit	
17 ⊀	$\mathcal{N}$	(3mks)
50	which portions of the number hephion are only found in the cortex?	(311185)

18. The family pedigree shows transmission of colour blindness which is x-chromosome linked and caused by recessive gene C.



19. The diagram below represents a liverworts plant



ii. Animals

(1mk)

24.a.	Distinguish between monoecious and dioecious conditions.	(2mks)
	ape	is.com
	www.freekcsepastt	
b.	State the biological significance of dioecious conditions.	(2mks)
25.	A certain plant was found to have the following characteristics: - Parallel venation in leaves - sheathlike petiole - flower parts in multiples of three	
а.	Name the class to which the plant belongs.	(1mk)
b. i.	Describe how the following characteristics would appear in the plant. Vascular bundles in the stem. $\mathcal{N}$	(1mk)
ii.	Root system	(1mk)

- on of erector pilli muscles of mam, early and the provide the provided Explain the importance of contraction of erector pilli muscles of mammalian skin.

(2mks)