ENTERBE PRIVATE SCHOOLS EXAMINATION



ASSOCIATION

PRE-P.L.E MOCK EXAMINATIONS, 2023 BASIC SCIENCE AND HEALTH EDUCATION

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	SECTION A	
est any one biological m uitoes.	ethod of controlling d	fiseases whose germs are spread by
is docking of rams a bo	d practice in the mana	igement of sheep?
what reason is a top bar	bee hive having a que	en excluder?
, skin rash, dry cough, n	ed eyes and some third	at: Suggest the vaccine that his
a reason why electric wallation.	ires are fixed sagging	on electric poles during
is the kink of a clinical as of their function?	thermometer similar t	to the valves in a dog's heart in
A 10 10 10 10 10 10 10 10 10 10 10 10 10	est any one biological muitoes. Is docking of rams a bound reason is a top bare's child was rushed to to skin rash, dry cough, rushed during the rout a reason why electric willation.	Is docking of rams a bad practice in the mana what reason is a top bar bee hive having a que is child was rushed to the hospital with the f skin rash, dry cough, red eyes and some thro missed during the routine immunization sche a reason why electric wires are fixed sogging flation.

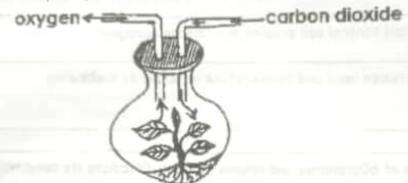


8. Mention any one disease that attacks hancy b	
The diagram below is of a blood cell, study and	d use it to answer questions that
follow.	
1501 AC (72.00)	
9. Identify any one disease of the circulatory sy	stem that affects the blood cell drown
9. Identity any one disease of the above.	
10. How is the above blood cell adapted to its fund	ction in the human body?
11. Watula was diagnosed with chronic branchitis.	What bad health life style would you
advise him to stop?	
12. Why is it a bad practice to make a person who	has taken corrasive palson to vamit?
 In the space provided below, illustrate and nor grass used as animal feeds. 	ne the garden tool used for cutting
Minter the state of the state o	
of the same of the	
Below is a diagram of human digestive system.	Jse it to answer questions 14 and 15.
	M The state of the
G G	
14. Name the duct labelled 6 above.	
15. Why does part labelled L produce mucus during	food digestion?
6. Mention one important health practice done by	
Extebbe Private Schools Enumination Association	

. What term is used to describe the smallest and weakest kitten in a litter?
. How do soft porous materials control echoes in cinema halls?
Diogo has a family of three wives and twelve children. Suggest one anti-social
behaviour that may be easily practised in his home.
O.State the farm equipment used to administer liquid medicine to cows through the mouth.
1. How does mulching the land control soil erosion in a tomato garden?
2.State the difference between heat and temperature in terms of measuring
instruments.
242
3. An irish potato has mass of 60grammes and volume of 20cc. Calculate its density.
4.Name any one mineral deficiency disease in infants.
5. How are nictitating membranes useful to an eagle during flight?
26. Mention the equipment used by blind people to enable them walk easily without knocking obstacles on their way.
27.Point out the disease of human beings that is vaccinated against using HPV vaccine.
28. How are the gills of a mushroom similar to the testes of a goat in terms of their function?
29. Write ABC in full as used in the administration of first aid?
30. Why do sugarcane plants develop prop roots in later stages of their growth?
31. Give any one example of a water habitat vector disease caused by a virus.
Mr. Mr. M.
Entebbe Private Schools Examination Association

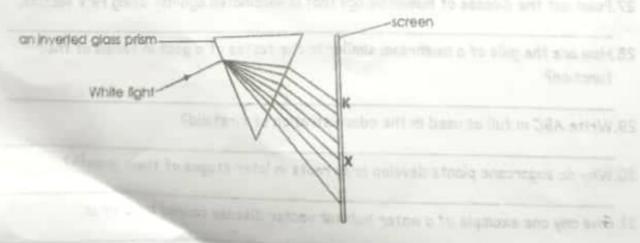
- 32. Why is the udder of a lactating cow washed using lukewarm water before minking is done?
- 33. By what process does smoke from a kitchen move upwards through the chimney?
- 34. In what one way is a chemical change similar to a biological change?

Use the plant process below to answer questions that follow.



- 35. Identify the plant process illustrated in the above diagram.
- 36. How is the above plant process useful to your class teacher?
- 37 Besides being more dense than water, give one other reason why a stone sinks when thrown in a basin of water.
- 38. Solder is an alloy of tin and lead commonly used in an electric fuse. Suggest one reason for mixing the above metals.

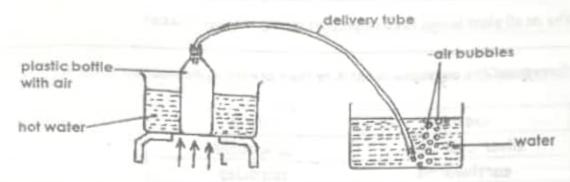
Use the diagram below to answer questions 39 and 40.



39. Identify the colour represented by letter X above.

SECTION B

41. Use the diagram below to answer questions that follow.



- a) What does the above experiment prove about air?
- b) Identify the form of energy represented by arrows L above.
- c) Suggest one effect of the above form of energy on matter.
- d) How is the property of air "air exerts pressure" useful in our daily life?
- 42. a) Why is clay soil said to be the best type of soil for pottery?
 - b) From what layer of soil are plant nutrients removed during leaching?
 - c) How do earthworms help in soil aeration?
 - d) Besides making glasses, state one other way how sand soil is useful to man,
- 43. Aodu's child has sunken eyes, sunken fontanelle and dry mouth lips.
- a) What condition is his child suffering from?
- b) Suggest any one way of helping the above child to overcome the condition in(a) above.
- c) Why would you advise Mr. Aodu to give his child plenty of fruit juice?
- d) How is the condition of the above child dangerous if not handled in time?
- 44. a) Define the term photosynthesis?

) Mention the raw materials for pho	tosynthesis that is as-	
factories to preserve soda.		
c) How are leaves adapted to the pro	cess of making glucose?	A SECURITY
d) Why do all plant leaves need chlor	ophyll during photosynthesis?	
45 Correspond the organisms in list	A to their breathing mechanisms	in list 8.
List A	List B	
silver cyprinids	Lungbooks	
earthworms	spiracles	
crickets	moist skin	
mites	gills	
i) Silver cyprinids	The second little of the second	Tel Spinister
ii) earthworms	The second second	and the same of a
iii) crickets		
The Committee of the Co	material from the probability	and the second
iv) mites		
46. a) Mention any two vaccines ad	ministered to babies at zero years	š.
(i)	(ii)	4
b) How is immunization of impor		
		A STATE OF THE PARTY OF THE PAR
c) Give a reason why DPT vaccin	e is referred to as a trivalent vacc	cine.
47 Use the method of separating m	nixtures illustrated below to answe	er questions that
follow.	1 - 1	questions mai
Q-		
R-	10000	
	175	
a) If the mixtures in the above con	tainer is milk and cooking oil, iden	tify the liquid at R
b) Give a reason why the two liquids	have settled on top of another a	s illustrated
above.		

 Besides the above mixtures, mention using the method illustrated ab 	on one other mixture that can be separated ove.
8 a) What is seed dispersal?	
b) How is seed dispersal useful to	plants like guavas?
c) State the method of seed dispe	the same of the sa
d) How is a jacaranda plant adapte	d for wind dispersal?
Fill in the table below using suitable	e words or statements.
Types of teeth	adaptation to its function.
(a) (4 - a) (a) (a) (a) (a) (a) (a) (a) (a) (a)	sharp pointed enamel
incisor	P. P. State
molar	
HIGHER	Contract of the Contract of th
a) How is the feeding of a toadstoo	and was to the second and the root of the
a) How is the feeding of a toadstoo b) Give one similarity between a toa	I different from that of a moss?
a) How is the feeding of a toadstoo b) Give one similarity between a toa	I different from that of a moss?
a) How is the feeding of a toadstoo b) Give one similarity between a toa c) Suggest one fungus which is a rai	blunt cusps with one root. I different from that of a moss? dstool and a moss, w material to the pharmaceutical industries of
a) How is the feeding of a toadstoo b) Give one similarity between a toa c) Suggest one fungus which is a rai Uganda. d) How is the reproduction of yeast	blunt cusps with one root. I different from that of a moss? dstool and a moss, w material to the pharmaceutical industries of
a) How is the feeding of a toadstoo b) Give one similarity between a toa c) Suggest one fungus which is a rai Uganda. d) How is the reproduction of yeast	I different from that of a moss? dstool and a moss. w material to the pharmaceutical industries of different from that of other fungi? ible for the manufacture of haemoglobin.
a) How is the feeding of a toadstoo b) Give one similarity between a toa c) Suggest one fungus which is a rai Uganda. d) How is the reproduction of yeast a) Mention the mineral salt respons	I different from that of a moss? dstool and a moss. w material to the pharmaceutical industries of different from that of other fungi? ible for the manufacture of haemoglobin. body?
a) How is the feeding of a toadstoo b) Give one similarity between a toa c) Suggest one fungus which is a rai Uganda. d) How is the reproduction of yeast a) Mention the mineral salt respons b) How is haemoglobin useful in the	I different from that of a moss? dstool and a moss, w material to the pharmaceutical industries of different from that of other fungi? ible for the manufacture of haemoglobin, body? by plasmodia parasites.

b)	Why is yeast added to sugary juice when making alcohol?
c) :	Identify the body organ greatly destroyed by excessive drinking of alcohol.
	a loca in the obsence of oxygen gas.
	Mention the type of fermentation that takes place in the absence of oxygen gas,
3 6	a) Suggest a reason why the bore of a clinical thermometer contains a kink.
1.(Name the metal that exists as liquid at room temperature.
). V	Why is the bulb of a doctor's thermometer made of a metal but not plastic?
-	3
) V	Write down any one example of a thermometric liquid.
ŧ a) Give a reason why the filament of an electric bulb is coiled.
-	6
W	Vhy is a filament of an electric bulb made of tungsten?
el i)	lectric bulbs. ii) iii iii iii iii iiii iiii iiiiiiii iiiiiiiii iiiiiiiiii
el i) Be	lectric bulbs.
el i) Be th	elow is part of the human skeletal system. Study and use it to answer questions nat follow. R Name part marked S on the above diagram.
el i) Be th	elow is part of the human skeletal system. Study and use it to answer questions nat follow.
a) b)	elow is part of the human skeletal system. Study and use it to answer questions nat follow. T Name part marked S on the above diagram.
a) b) c)	elow is part of the human skeletal system. Study and use it to answer questions nat follow. T Name part marked S on the above diagram. How is part marked T useful to the human body?
a) b) c) d)	Pelow is part of the human skeletal system. Study and use it to answer questions and follow. T Name part marked S on the above diagram. How is part marked T useful to the human body? Mention the blood cell manufactured from part labelled R.