## BROADEXAMINATIONS®

## P.7 PRE-PLE TRIAL SET III 2024 INTERGRATED SCIENCE EXAMINATION

Time allowed: 2 hours 15 minutes.

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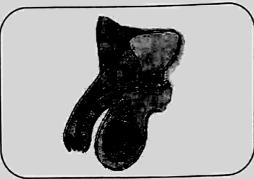
. Name t	the fluid that reduces friction between bones at a joint.
. State t	the role of enzymes in digestion of food.
. In whic	ch way is a drenching gun useful to a livestock farmer?
. State t	the role of a drone bee in the hive.
. Name cotyle	the condition necessary for germination that dissolves food stored in the edon of a bean seed.
. How is	s a magnet useful to a person using a six's thermometer?
The d	liagram below shows a male reproductive cell. Use it to answer question 7.
	on <u>one</u> root crop which contains vitamin A that improves eye sight in humans.
	the function of feathers to a broody hen.
0. Give a	a reason why an earthworm is regarded as an invertebrate.
1. How i	is heat loss or gain by radiation prevented in a thermos flask?
2. Name	the element of weather that helps a windmill to function.
3. In whi	ich way is a fuse useful in an electric circuit?
 4. Give a	a reason why the walls of the left ventricle of the heart are thick walled.
	The walled
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A

<ol> <li>Give any <u>one</u> adaptation of the ileum to absor</li> </ol>	ption of digested food.
16. Write down any <u>one</u> factor to consider before	starting a livestock farm.
17. State the effect of hookworms in the human b	ody.
8. Suggest a reason why an aeroplane is made of	a streamlined body.
9. In which way are houseflies dangerous to huma	an eyes?
20. In which way is overdose dangerous to human I	health?
The diagram below shows a type of fracture.	Use it to answer question 21.
21. Name the type of fracture above.	
22. Give a reason why water is called a universal so	olvent.
23. Name the component of air that supports comb	oustion.
24. Give a reason why lopping is a good method of	harvesting trees for firewood.
25. State the reason why plants are called renewal	ole resources.
26. How is colostrum useful to a calf?	
7. Give one reason why rings of cartilage are impo	ortant to the trachea.

28. Mention one non-living agent of soil erosion.	
29. Give a reason why a stretcher cannot be found in a first aid box.	- 1 N
30. In which way is echo useful to bats at night?	
31. Name the physical change which leads to formation of nimbus clouds in a	water cycle.
32. Give one way a child health card is important to a doctor.	
33. How is a vent pipe useful on a VIP latrine?	
	23.3W 180
34. Mention the disease spread by tsetse flies to cattle.	
The diagram below shows an equipment used in reflection of light. Use questions 35 and 36.  m1  observer's eye  35. Name the equipment drawn above.	e it to answer
36. In which way is the above equipment useful to a soldier in a trench?	- 25
37. Mention the part of a maize grain that stores food for the embryo.  38. State any <u>one</u> effect of drug abuse commonly seen among youths who take	e marijuana.
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Below is a diagram showing artificial permanet mathod of anning. Use it to answer question 40.



40. Name the method of family planning in males drawn above.

	SECTION .B. (60 MARKS)
7 -	) Write down any <u>two</u> activities done in promotion of community hygiene.
(ii	) Give <u>one</u> major reason for promotion and maintenance of community hygiene.
(b	Give one major reason for promotion and maintenance of commonly mysteric
(c)	Name any <u>one</u> disease that breaks out due to poor community hygiene.
	Name <u>two</u> electric charges that are active in static electricity.
(i)	
(ii)	
(b)	Name the static electricity in nature.
(c)	State the law of electric charges.
Th	e diagram below shows a cock. Use it to answer question 43.
	the state of the s
. (a)	Name the external features marked;
(i)	
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	43. (a) Give any two diserces
<b>(</b> b)	State the function of part marked P to a cock.
(c)	State any <u>one</u> difference between a cock and a hen.
44. (a)	Give a reason why duck billed platypus is grouped under mammals yet it lays eggs.
(b)	Apart from duck billed platypus, mention another example of egg laying mammals.
(c) (i)	State any <u>two</u> similarities between mammals and birds.
(11)	
45. (a)	What is a sprain?
(b)	State the first aid for a sprain.
	Give <u>two</u> other examples of disorders of the musculo-skeletal system.
	State the role of cortex in the kidney.
	Give <u>two</u> examples of wastes excreted by the kidneys.
(ii)	
	Name the part of the kidney where selective re-absorption takes place.
, ,	List two methods of administering vaccines in the human body.
(b)	Name the vaccines administered on each of the following body sites; Right upper arm
	Left upper arm
	Give a reason why sugar is used in preparation of ORS.
•	

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(b) Mention anothe	er solute used in making ORS.
(c) Name any one	mineral salt lost during dehydration.
(d) State <u>one</u> sign	of dehydration.
49. (a) How is the sun	useful in a food chain?
(b) What scientific	term is given to plants in a food chain?
(c) In which way a	re bacteria useful in a food chain?
(d) State a reason	why a goat is called a primary consumer in the food chain.
50. Match the parts o	f the eye and those of a camera that have the same function.
Eye	Camera
Iris	film
pupil	shutter
eyelids	aperture
retina	diaphragm
(i) iris	
(ii) pupil	
(iii) eyelids	
(iv) retina	
	different from a burn?
	es of burns and scalds in a home.
(c) Give <u>one</u> way b	ourns and scalds can be controlled at home.
52.(a) Why are protein	ns recommended in the diet of babies?
(b) What can go wr	ong if children are not given enough proteins in their diet?
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(c)	Mention two food stuffs rich in proteins.
(i)	use it to answer
(ii)	land water at home.
Th	e diagram below shows a method of cleaning water at home. Use it to answer estion 53.
qu	estion 53.
	coarse stones fine sand charcoal
53. (a	Name the method of preparing clean water drawn above.
	The state of the s
(b)	
(b)	Give a reason why water got at X is not good for drinking.
(b	
(c)	Give a reason why water got at X is not good for drinking.
(c)	Give a reason why water got at X is not good for drinking.  State the role played by; fine sand.
(c)	Give a reason why water got at X is not good for drinking.  State the role played by;
(c) (i) (ii)	Give a reason why water got at X is not good for drinking.  State the role played by; fine sand.  charcoal.
(c) (i) (ii 54. (a	Give a reason why water got at X is not good for drinking.  State the role played by; fine sand.  charcoal.  Give any two practices done under identification of cattle apart from branding.
(c) (i) (ii 54. (a	Give a reason why water got at X is not good for drinking.  State the role played by; fine sand.  charcoal.  Give any two practices done under identification of cattle apart from branding.
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(c) (i) (ii 54. (a (i) (ii (b (c)	Give a reason why water got at X is not good for drinking.  State the role played by; fine sand.  charcoal.  Give any two practices done under identification of cattle apart from branding.  Name the part of an animal where branding is usually done.  Suggest one disadvantage of identifying animals by branding.
(c) (i) (ii) 54. (a) (ii) (b) (c) 55. (a)	Give a reason why water got at X is not good for drinking.  State the role played by; fine sand.  charcoal.  Give any two practices done under identification of cattle apart from branding.  Name the part of an animal where branding is usually done.

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END

(ii) frogs?\_

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