



BROAD EXAMINATIONS®

P.6 INTEGRATED SCIENCE EXAMINATION TRIAL SET I TERM III - 2023

Time allowed: 2 hours 15 minutes

Pupil's Name:

School Name:

District Name:

Read the following instructions carefully:

1. This paper is made up of two sections: A and B.
2. Section A has 40 questions (40 Marks)
3. Section B has 15 questions (60 Marks)
4. Answer ALL questions in both sections A and B.
5. All answers must be written in the space provided in blue or black ball point pens and ink. Only diagrams should be done in pencil.
6. Unnecessary crossing of answers will lead to loss of marks.
7. Any handwriting, which cannot be easily read, may lead to loss of marks.
8. Do not fill anything in the boxes indicated for Examiners' use only.

FOR EXAMINERS' USE ONLY		
PAGES	MARKS	SIGN
Page 2		
Page 3		
Page 4		
Page 5		
Page 6		
Page 7		
Page 8		
TOTAL		

Teacher's comment to the learner

.....
.....
.....

Approved by:

Agnes Akoko

Team Head Science Dept.

SECTION A. (40 Marks)

1. Write down any one example of sea mammals.

2. In which way is filtration a useful method in a home?

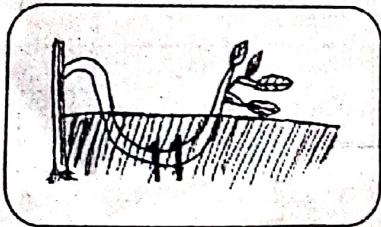
3. Why do commercial farmers prefer using deep litter system in poultry keeping?

4. Name the part of the flower that produces pollen grains.

5. How is the sugarcane related to an Irish potato in the way they store food?

6. In which one way is reproduction a useful biological change in the environment?

The diagram below shows a method of artificial plant propagation. Use it to answer question 7.



7. Name the method shown above.

8. Why is cassava said to be a carbohydrate food?

9. Mention the product of bees used to make candles.

10. Suggest a reason why people prefer using clay made charcoal stoves to metallic ones.

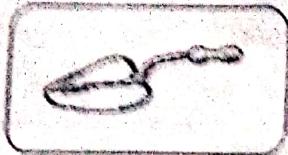
11. Write down the natural fertilizer got from the animal wastes.

12. Why is the rate of transpiration lower at night than during the day?

13. Mention a reason why some poultry farmers crossbreed their local breeds of poultry.

14. Name any one male member of a nuclear family.

Use the diagram of a garden tool below to answer question 15.



15. Name the crop growing practice done using the above garden tool.

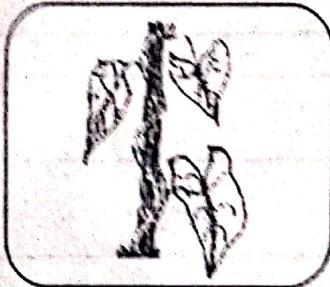
16. Suggest a reason why breastfeeding mothers are encouraged to take plenty of fluids.

17. Write down the state of matter with the strongest cohesion force.

18. Mention any one advantage of paddocking as a method of grazing cattle.

19. In which one way is health education important in the control of diseases in the community?

The diagram below shows a plant climbing. Study and use it to answer question 20.



20. Name the method of climbing shown above.

21. How is reproduction of beans similar to that of pine trees?

22. Give one traditional method of preserving food that involves the use of heat.

23. In which way does drought lead to swarming of bees?

24. Name the immunisable disease that spreads through drinking unboiled milk from infected cows.

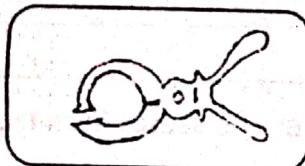
25. How does trimming fingernails help to control worm infections?

26. Name any one source of materials used to make ropes at home.

27. How does growing of cover crops help to control soil erosion?

28. Why should the clinical thermometer be shaken before taking temperature of a sick person?

The diagram below shows a farm tool. Use it to answer question 29.



29. Name the farm tool drawn above.

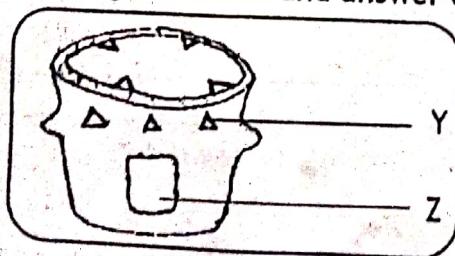
30. In which one way is the young farmer's club useful in a school?

31. Give any one reason for making alloys.

32. Of what function is the urinary bladder in the human body?

33. Name the component of air that is given out by plants during photosynthesis.

Study the diagram below and answer question 34.



34. How is the hole marked Y useful on the charcoal stove?

35. Which part of cabbage stores food?

36. Name the living part of a human tooth.

37. Give any one way tick borne diseases can be controlled on an animal farm.

38. Write down any one solute used in the preparation of ORS.

39. How is the process of transpiration useful in rain formation?

40. What name is given to small hairs found in the nose of humans?

SECTION .B. (60 Marks)

11. (a) Write down any two components of a balanced diet.

(i) _____

(ii) _____

(b) In which one way is feeding on a balanced diet useful to our health?

(c) Write down any one mineral deficiency disease in humans.

12. (a) Write down any two breeding places of bacteria.

(i) _____

(ii) _____

(b) In which one way are bacteria harmful to man?

(c) Write down any one way of reducing breeding of bacteria in and around the home.

. (a) Name the type of cattle kept for milk production.

(b) Write down any two breeds of cattle kept for milk production.

(i) _____

(ii) _____

(c) How is a strip cup useful on a dairy farm?

44. Match the following practices with their importance.

Mulching

protects crops against strong wind

Pruning

controls soil erosion

Weeding

reduces weight of a plant

Staking

creates space in the garden

(i) Mulching _____

(ii) Pruning _____

(iii) Weeding _____

(iv) Staking _____

45. (a) Where does chemical digestion of fats begin in humans?

(b) How are the following digestive juices useful in digestion;

(i).saliva?

(ii) bile?

(c) State a reason why vitamins and mineral salts are not digested in the body.

46. (a) Write down any one way how the following resources can be replaced in the environment;

(i) water _____

(ii) animals _____

(b) In which one way can water be conserved in the environment?

(c) Give any one way how donkeys are used as resources.

47. (a) Write down any two diseases spread through 4Fs disease germ path.

(i) _____

(ii) _____

(b) Mention any one insect involved in the 4Fs disease germ path.

(c) What common sign do the diseases that spread through 4Fs show?

48. (a) Why does a stone and a feather behave differently when put in water?

(b) In which units is weight measured?

(c) A stone of mass 140g has a volume of 14cm³. Calculate the density of a stone.
(02 marks)

49. (a) Write down any two characteristics of fruits dispersed by wind.

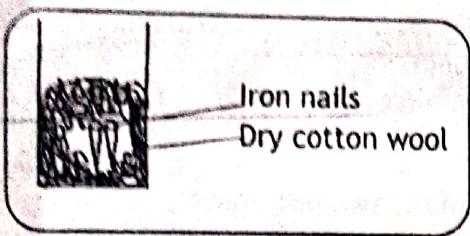
(i) _____
(ii) _____

(b) Mention one example of fruits dispersed by wind.

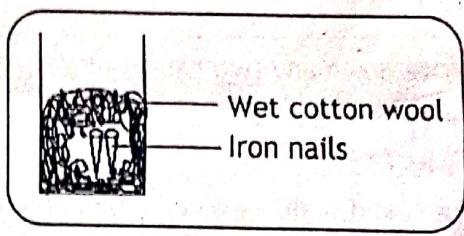
(c) Apart from wind, name one other agent of seed dispersal.

An experiment below was carried out by a P.6 pupil. Use it to answer question 50.

A



B



50. (a) In which container will the iron nails fail to rust?

(b) Give a reason for your answer in (a) above.

(c) In which one way is rusting dangerous to metals?

(d) Give any one way of preventing rusting of metals.

51. (a) How is warmth useful in germination of seeds?

(b) Mention the type of germination that cereals undergo.

(c) Write down two conditions that may make seeds fail to germinate.

(i) _____
(ii) _____

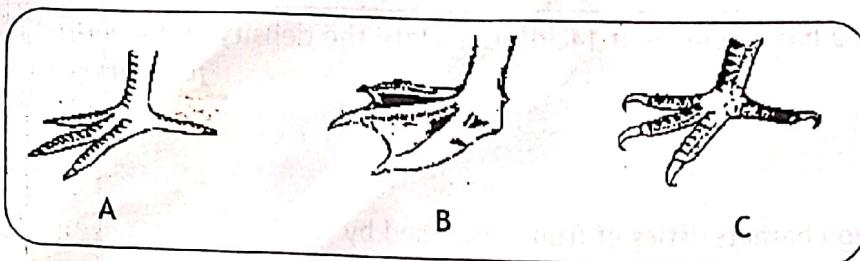
52. (a) Write down any two elements of a clean home.

- (i) _____
(ii) _____

(b) Mention any two tools that can be used to keep the home clean.

- (i) _____
(ii) _____

The diagrams below show the feet of birds. Use them to answer question 53.



53. (a) Name the group of birds whose foot is drawn in;

- (i) A _____
(ii) C _____

(b) Give any one example of birds whose foot is shown in B above.

(c) What type of food do birds whose foot is shown in C above feed on?

54. (a) Write down any two causes of accidents in a home.

- (i) _____
(ii) _____

(b) Burns and scalds are common in homes. How are the two different?

(c) Suggest the recommended first aid for burns.

55. (a) Which type of soil allows more water to drain through it?

(b) In which way does leaching reduce on the fertility of the soil?

(c) Write down any two activities done by farmers to improve soil fertility in the gardens.

- (i) _____
(ii) _____

END