



BROAD EXAMINATIONS®

P.6 INTEGRATED SCIENCE EXAMINATION MID - 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

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Approved by:

A. J. ...

Team Head Science Dept.

SECTION .A. (40 Marks)

1. Name the sense that enables a human being to detect a rotting rat in a house.

2. Why is it not advisable to keep petrol in a residential house?

3. Give a reason why posho is included in our diet.

4. State any one way wild animals can be cared for in the environment.

5. Mention the substance which gets absorbed from the human colon.

6. How are bacteria important in a milk processing industry?

7. Name the element of weather which favours the harvesting of cereals.

8. Why doesn't sound travel through the vacuum?

Below is a common garden tool. Use it to answer question 9.



9. Name the garden tool shown above.

10. Name the drug found in tobacco which causes lung cancer.

11. State any one importance of PHC in a community.

12. Mention any one non- living renewable resource in the environment.

13. State any one effect of accidents to human health.

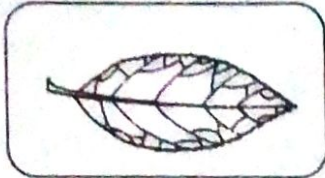
14. Give any one reason why some farmers crossbreed their cattle.

15. State any one natural body opening through which a foreign body can enter.

16. Name the method of administering polio vaccine in infants.

17. Give any one example of local breeds of cattle kept in Uganda.

Study the diagram below and use it to answer the question 18.



18. Name the type of simple leaf shown above.

19. Why do we carry out tepid sponging when giving first aid for fever?

20. Which condition of weather may lead to floods in some areas?

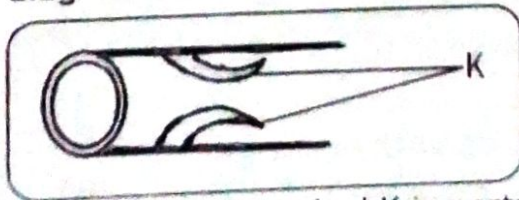
21. Apart from cassava, mention any one other crop propagated from stem cuttings.

22. Give any one quality of laboratory manufactured drugs.

23. To which group of mammals does a rat belong?

24. Why should a person working in dirty places put on gum boots?

Use the diagram below to answer the question 25.



25. How are the structures marked K important in the blood vessel shown above?

26. Why do cooks in a school use materials like pieces of paper and dry leaves when lifting a hot saucepan from a fire place?

27. Name the structures that keep the trachea open all the time.

28. Give a reason why it is not good to share a living house with animals.

29. State the way slashing tall bushes helps to control the spread of malaria.

30. What type of germination is common in monocotyledonous plants?

31. Why is diarrhoea said to be one of the causes of dehydration?

The diagram below shows an organism. Use it to answer question 32.



32. To which group of invertebrates does the organism above belong?

33. How are air sacs important in the human respiratory system?

34. Write the number for the first set of teeth in the mouth of a human.

35. How are grits found in the gizzard important during digestion in birds?

36. Give any one of the 5Rs used in waste management.

37. What scientific name is given to the act of giving birth in sheep?

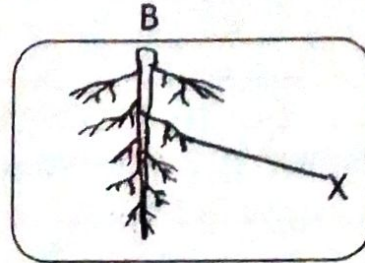
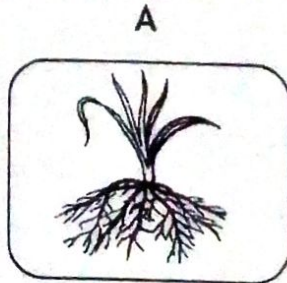
38. Give a reason why some insects like bees and ants are referred to as social insects.

39. Name the step involved in the cleaning of clothes that helps to reduce the amount of water in the cloth.

40. A stone of density 2g/cc displaces 15cc of water. Find the mass of the stone.

SECTION .B. (60 Marks)

Study the diagram below and answer question 41.



41. (a) Name the types of root system shown above.

(i) A _____

(ii) B _____

(b) Name any one plant with each of the root system above;

(i) A _____

(ii) B _____

42. (a) Why is it important to observe proper personal hygiene?

(b) How is a comb useful in the promotion of personal hygiene?

(c) Give two other materials apart from comb used in promotion of personal hygiene.

(i) _____

(ii) _____

43. (a) Write down any two examples of chemical changes in the environment.

(i) _____

(ii) _____

(b) State one way chemical changes are important in the environment.

(c) Apart from chemical changes, mention any one other type of changes in the environment.

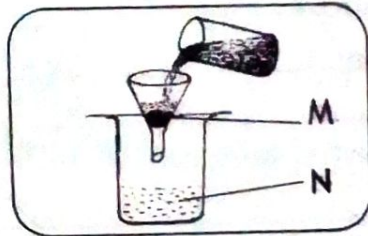
44. (a) What term means the sound formed when original sound meets an obstacle?

(b) Name one organism in the environment that uses the sound you have named above.

(c) Mention any one way of changing the pitch of sound produced by stringed musical instruments.

(d) How are stringed musical instruments played?

The diagram below shows a method of making water clean. Use it to answer question 45.



45. (a) Name the method of cleaning water shown above.

(b) Name the substances marked;

(i) M

(ii) N

(c) Why is water obtained at N not good for drinking?

46. (a) Why is COVID 19 regarded as a communicable disease?

(b) Write down any two signs shown by a COVID 19 patient.

(i)

(ii)

(c) Why is COVID 19 regarded as a pandemic disease?

47. (a) In which one way can rabbits be better cared for?

(b) What name is given to commercial feeds for rabbits?

(c) Give two reasons why the house for rabbits should be raised above the ground.

(i) _____

(ii) _____

48. (a) State the importance of a queen excluder in a beehive.

(b) On what type of food do worker bees feed?

(c) In which chamber of the bee hive is a queen bee found?

(d) Suggest one way bees benefit from crop farmers.

49. (a) Why are vaccines administered on different body sites during immunization?

(b) Which type of immunity is acquired through immunization?

(c) How does immunization help to boost the body immunity?

(d) Name the body site for the vaccine given to infants to protect them against tetanus.

50. Match the vectors to diseases they spread.

Vectors

Diseases

Water snail

Rabies

Tsetse fly

Bilharziasis

Infected dogs

Dysentery

Housefly

Sleeping sickness

(i) Water snail

(ii) Tsetse fly

(iii) Infected dogs

(iv) Housefly

51. (a) Why is clay soil the best type of soil for making ceramics?

(b) Mention any two examples of ceramic materials made out of clay.

(i) _____

(ii) _____

(c) How are ceramics made harder when they are being made?

52. (a) Why is air called matter?

(b) Which property of air enables the pupils to fly kites?

(c) State any two other properties of air.

(i) _____

(ii) _____

53. (a) What is fainting?

(b) Give any one cause of fainting in humans.

(c) Write down two ways of helping a person who has fainted.

(i) _____

(ii) _____

54. (a) Write down any one example of each of the following types of tuber crops.

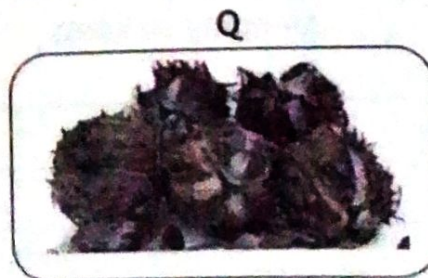
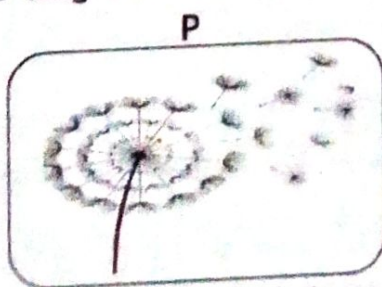
(i) stem tuber _____

(ii) root tuber _____

(b) Mention any one sign shown by tuber crops affected by pests.

(c) State any one method used in controlling pests in tuber crop gardens.

The diagrams below show two dry fruits. Use them to answer question 55.



55. (a) How are the seeds in each fruit dispersed?

(i) P _____

(ii) Q _____

(b) Give two importance of seed dispersal in the environment.

(i) _____

(ii) _____

END