



BROAD EXAMINATIONS®

P.5 INTEGRATED SCIENCE EXAMINATION END OF TERM II 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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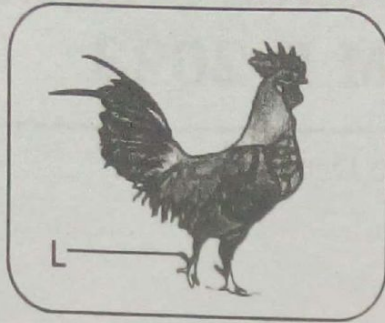
Approved by:

Team Head Science Dept.

SECTION .A. (40 Marks)

1. Give any one example of fungi.

The diagram below is of a cock. Use it to answer question 2.



2. How is part marked L useful to a cock?
3. Give one reason why some plants with weak stems climb other plants.
4. Name any one common accident that takes place at school.
5. State any one way how heat gain affects matter.
6. Name the instrument that helps man to see micro-organisms like bacteria.
7. Give any one reason for covering leftover food.
8. Give any one way of keeping the kitchen clean.
9. State any one effect of hookworm infestation on the human body.
10. Suggest a reason why sugary foods are dangerous to the teeth of children.
11. Give one reason why some farmers prefer rearing exotic breeds of rabbits to local ones.
12. Name the top most layer of a soil profile.

13. How is female anopheles mosquito harmful to man?

14. Give any one way in which germs enter the human body.

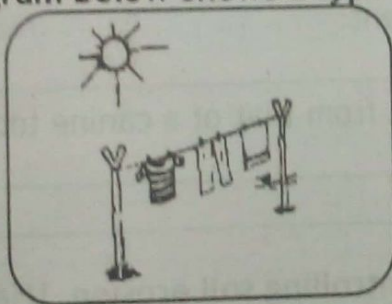
15. Name the crop growing practice that can help in preventing rotting of tomato fruits in the garden.

16. Why does salt disappear after sometime when put in water?

17. What type of lifecycle do houseflies undergo?

18. What is a first aid kit?

The diagram below shows a type of weather. Use it to answer questions 19.



19. How is the above type of weather important to crop farmers?

20. Why is dysentery grouped under communicable diseases?

21. Write down the major function of a stem to an Irish potato plant.

22. How is a rake useful in a school?

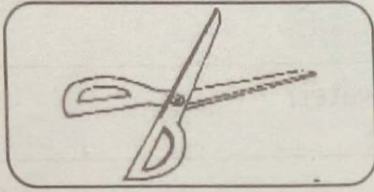
23. In which type of germination do cotyledons of the germinating seed come above the ground?

24. State the importance of a queen excluder in a bee hive.

25. How can floods lead to food shortages in a community?

26. Mention one reason why a dehydrated child should be given ORS.

The diagram below shows a tool used in giving first aid. Use it to answer question 27.



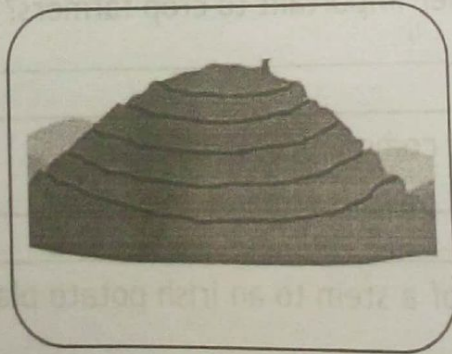
27. How can the above tool be used when giving first aid?

28. In which way are moulds useful to man?

29. Name the main source of water in the environment.

30. How is the structure of an incisor tooth different from that of a canine tooth?

The illustration below shows the method of controlling soil erosion. Use it to answer question 31.



31. Name the method of controlling soil erosion shown above.

32. Give one way how mulching may be dangerous to a crop farmer.

33. Name the sense organ for feeling.

34. State one way how gutters are important when harvesting water.

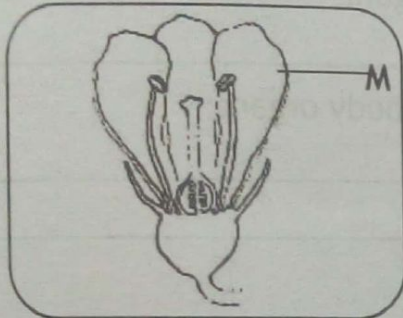
35. Mention one importance of regular bathing to a person.

36. Name any one food stuff that is a source of vitamin A.

37. Give any one reason why a baby needs to be fed on foods rich in proteins.

38. Mention any one viral disease of poultry.

The diagram below is of a flower. Use it to answer question 39.



39. What role does part marked M play in pollination?

40. Name the units used in measuring weight of objects.

SECTION .B. (60 Marks)

41. (a) Name any two examples of root crops.

(i) _____

(ii) _____

(b) How are root crops important in the human diet?

(c) Mention any one plant disease that affects root crops.

42. (a) Which instrument do health workers use to measure the human body temperature?

(b) State the use of the bend found in the instrument you have named above.

(c) Apart from mercury, name any one other example of a liquid used in the named instrument above.

(d) Why is mercury commonly used in the type of the instrument that measures human body temperature?

43. (a) What name is given to particles that make up matter?

(b) Which state of matter has particles which are far apart?

(c) Name the force that holds particles of the same substance together.

(d) State any one physical property of matter.

44. (a) What name is given to the largest internal body organ?

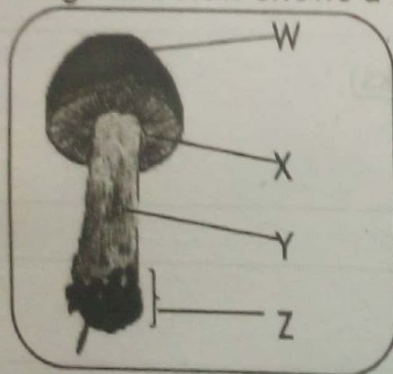
(b) State the function of each of the following human body organs;

(i) heart

(ii) nose

(c) Give any one way of caring for human body organs.

45. The diagram below shows a mushroom. Use it to answer questions about it.



(a) Name parts marked;

(i) W

(ii) Y

(b) State the function of part marked X.

(c) From where does part marked Z obtain food for the mushroom?

46. Match the weather instruments below with their uses.

A

Hygrometer

Wind vane

Barometer

Anemometer

(i) Hygrometer

(ii) Wind vane

(iii) Barometer

(iv) Anemometer

B

measures speed of wind

measures air pressure

shows the direction of wind.

measures humidity.

47. (a) Name the item that helps to do the following in the promotion of oral hygiene;
(i) kills germs in teeth.

(ii) removes food stains from teeth.

(b) Name any one disease of human teeth.

(c) Give any one sign of diseased human teeth.

48. (a) Give any two duties of worker bees in a hive.

(i) _____

(ii) _____

(b) What special name is given to the food for the queen bee?

(c) Apart from honey, name one other product of bees that is useful to humans.

49. (a) How does leaching lead to loss of soil fertility?

(b) Apart from leaching, give any one other cause of loss of soil fertility.

(c) Mention any two practices farmers do to restore soil fertility.

(i) _____

(ii) _____

50. (a) Give any two conditions that help bacteria to reproduce and multiply in numbers.

(i) _____

(ii) _____

(b) How do bacteria reproduce?

(c) Give any one importance of bacteria in the environment.

(i) _____

(ii) _____

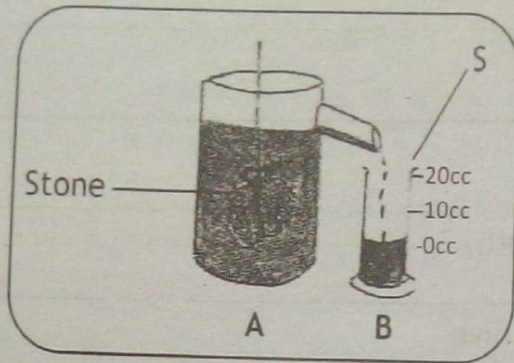
51. (a) Name the habitat for the spider.

(b) Which animal in the environment changes colour?

(c) How do most birds in the environment move from one place to another?

(d) Name any one human activity that destroys natural habitats of animals.

The diagram below shows an experiment that was carried out by a P.5 pupil. Use it to answer question 52.



52. (a) Name the instrument for measuring marked;
- (i) A _____
- (ii) B _____
- (b) How was the above experiment helpful to a P.5 pupil who carried it out?
- _____
- _____
- (c) What is the volume of a stone as shown in the experiment above?
- _____
53. (a) What are crop pests?
- _____
- _____
- (b) Name any two insect crop pests.
- (i) _____
- (ii) _____
- (c) State any one way of controlling crop pests.
- _____
54. (a) Mention any two examples of childhood immunisable diseases.
- (i) _____
- (ii) _____
- (b) Give the two methods used in administering vaccines during immunisation.
- (i) _____
- (ii) _____
55. (a) What is the function of wings to an insect?
- _____
- _____
- (b) State any two characteristics of insects.
- (i) _____
- (ii) _____
- (c) How are some insects like moths useful to flowering plants?
- _____

END