



BROAD EXAMINATIONS®

P.7 INTEGRATED SCIENCE EXAMINATION

MOCK I 2024

Time allowed: 2 hours 15 minutes.

Random No.						Personal No.		

Candidate's Name:.....

Candidate's Signature.....

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:

[Signature]

Team Head Science Department

SECTION .A. (40 Marks)

1. Name any one example of short bones in the human body.

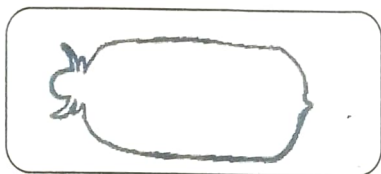
2. How are rat fleas harmful to humans?

3. In which way is moulting important to reptiles?

4. What type of germination do cereal grains undergo?

5. Give one way a magnet is useful to a cobbler.

Below is a diagram of a breed of cattle. Use it to answer question 6.



6. Name the major product got from the above type of cattle.

7. Mention one perennial crop which provides fibre for making ropes.

8. State a reason why poultry farmers rear Ancona chickens.

9. Give a reason why a newt is called a cold-blooded vertebrate.

10. State the energy change that takes place in a working dry cell.

11. Mention any one way plants depend on soil in the environment.

12. Give a reason why arteries are made of thick walls.

13. In which way is underdose dangerous to human health?

48. (a) Mention two causes of dehydration.

(i) _____

(ii) _____

(b) State one sign of dehydration in babies.

(c) In which way is dehydration dangerous to humans if not treated?

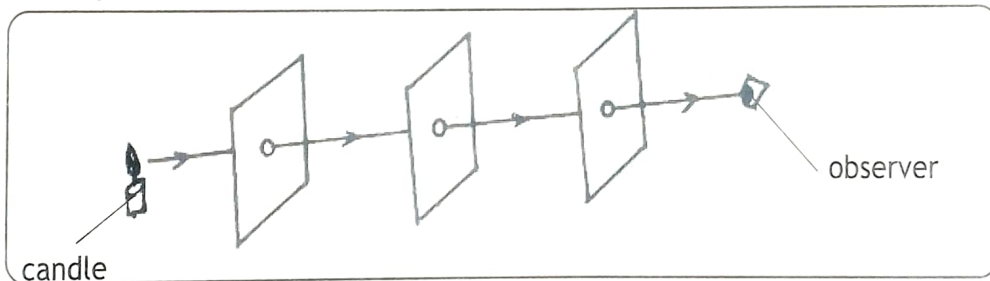
49. (a) Give a reason why the nose is the best passage of air into our lungs.

(b) Why is the trachea able to keep open all the time?

(c) In which part of the human lung does exchange of gases take place?

(d) Name one excretory product removed from the body by lungs.

The diagram below shows an experiment carried out by P.7 candidates. Use it to answer question 50.



50. (a) What does the experiment above prove about light?

(b) Why is the observer able to see light?

(c) Apart from candle, name two other artificial sources of light.

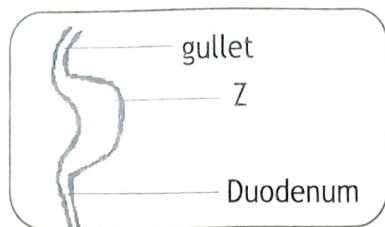
(i) _____

(ii) _____

51. (a) How are burns similar to scalds?

(b) Give a reason why the scalded part should be put in cold clean water for at least 15 minutes.

The diagram below shows part of the alimentary canal. Use it to answer question 14.



14. Mention the class of food whose chemical digestion begins in part marked Z.

15. Give any one way gears are important in the use of machines.

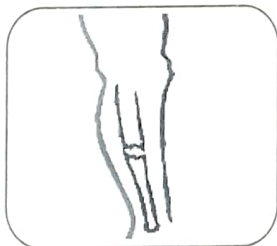
16. In which way do tapeworms enter into the human body?

17. How is friction force useful to a P.7 candidate writing answers on a science paper?

18. Give the reason why dew is formed at night.

19. State one way the skin regulates body temperature during cold days.

Below is a diagram showing a type of fracture. Use it to answer question 20.



20. Name the type of fracture drawn above.

21. Give a reason why a stone is called matter.

22. Which component of air occupies the least percentage in the atmosphere?

23. Give a reason why walls of drug shops are painted white.

38. State the effect of buoyancy to an object put in water.

39. Give a reason why rabbit farmers raise hutches above the ground.

40. Write down any one PIASCY message usually found in school compounds.

SECTION .B. (60 MARKS)

41. (a) Mention two examples of natural magnets.

(i) _____

(ii) _____

(b) Which property of magnets can help a P.7 child to find a razorblade hidden in a book?

(c) Mention any one way magnets lose their strength.

42. (a) Give a reason why an ape is grouped under primates.

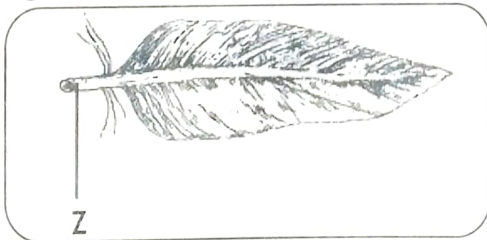
(b) Write down two other examples of primates.

(i) _____

(ii) _____

(c) In which way is a duckbilled platypus similar to a hen in terms of reproduction?

The diagram below shows a quill feather. Use it to answer question 43.



43. (a) Name the part marked Z.

(b) Give two parts of a bird where quill feathers are found.

(i) _____

(ii) _____

(c) State one way most birds are adapted to flying.

38. State the effect of buoyancy to an object put in water.

39. Give a reason why rabbit farmers raise hutches above the ground.

40. Write down any one PIASCY message usually found in school compounds.

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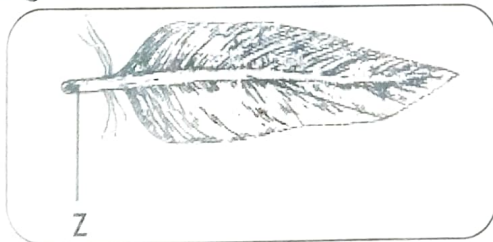
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(c) In which way is a duckbilled platypus similar to a hen in terms of reproduction?

The diagram below shows a quill feather. Use it to answer question 43.



43. (a) Name the part marked Z.

(b) Give two parts of a bird where quill feathers are found.

(i) _____

(ii) _____

(c) State one way most birds are adapted to flying.

44. (a) Mention any two advantages of crop rotation in crop farming.

(i) _____

(ii) _____

(b) Give any two examples of leguminous crops that can be grown together with maize.

(i) _____

(ii) _____

45. (a) Give a reason why silver is not commonly used in making electric wires.

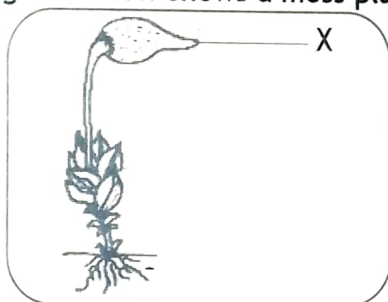
(b) Mention the non-metallic conductor of electricity in a dry cell.

(c) Give any two examples of insulators of electricity.

(i) _____

(ii) _____

The diagram below shows a moss plant. Use it to answer question 46.



46. (a) Name the part marked X.

(b) State the function of part marked X to a moss plant.

(c) Give two other plants that belong to the same group of non-flowering plants like a moss plant.

(i) _____

(ii) _____

47. (a) What are farm records?

(b) Mention two types of farm records kept by poultry farmers.

(i) _____

(ii) _____

(c) State one importance of farm records to a farmer.

48. (a) Mention two causes of dehydration.

(i) _____

(ii) _____

(b) State one sign of dehydration in babies.

(c) In which way is dehydration dangerous to humans if not treated?

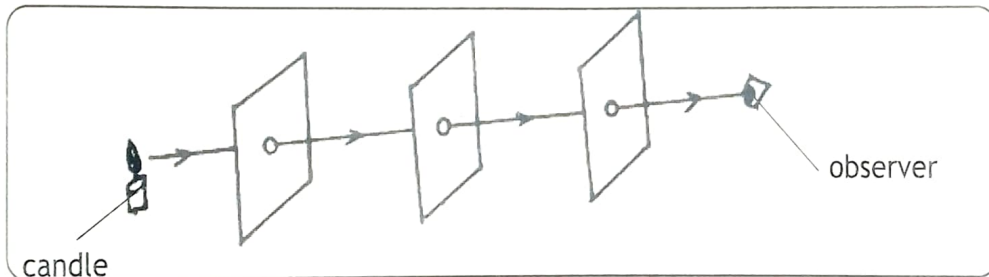
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(b) Why is the observer able to see light?

(c) Apart from candle, name two other artificial sources of light.

(i) _____

(ii) _____

51. (a) How are burns similar to scalds?

(b) Give a reason why the scalded part should be put in cold clean water for at least 15 minutes.

(c) Give any **two** ways of controlling burns and scalds in a home.

(i) _____

(ii) _____

52. (a) Which deficiency disease is caused by lack of enough Vitamin C in the diet?

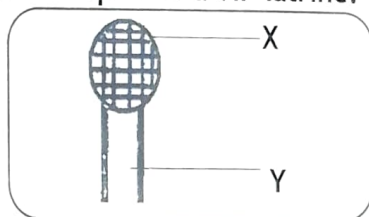
(b) Write down **two** signs of the above deficiency disease you have mentioned.

(i) _____

(ii) _____

(c) Give any **one** example of food rich in vitamin C.

The diagram below shows part of a VIP latrine. Use it to answer question 53.



53. (a) Name part of VIP latrine marked;

(i) X _____

(ii) Y _____

(b) How is part marked X useful in the control of diarrhoeal diseases?

(c) State the importance of part marked Y on a VIP latrine

54. (a) Give **two** ways of increasing milk production on a dairy farm.

(i) _____

(ii) _____

(b) State the importance of cleaning the udder of a cow with warm water before milking.

(c) Why should a dairy farm have a strip cup?

55. (a) Give any **two** qualities of good trees to be grown in a woodlot project.

(i) _____

(ii) _____

(b) Name the tree harvesting technique that involves;

(i) pruning the upper branches of a tree.

(ii) cutting down trees close to the ground to promote new growth.

END