



# BROAD EXAMINATIONS®

## P.7 INTEGRATED SCIENCE EXAMINATION

### TRIAL SET II TERM I - 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 EXAMINER'S USE ONLY

PAGES	MARKS	SIGN
Page 2		
Page 3		
Page 4		
Page 5		
Page 6		
Page 7		
Page 8		
TOTAL		

Teacher's comment(s) to the learner

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Approved by:

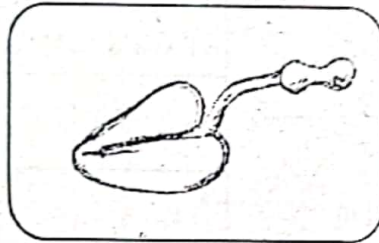
*A. J. J. J.*

Team Head Science Dept.

SECTION .A. (40 Marks)

1. Which type of lifecycle does a housefly undergo?  
\_\_\_\_\_
2. State the use of water in water borne latrines.  
\_\_\_\_\_  
\_\_\_\_\_
3. State any one disorder of the male reproductive system in humans.  
\_\_\_\_\_
4. Which type of blood vessels carry blood away from the heart?  
\_\_\_\_\_
5. Why is rusting regarded as a chemical change?  
\_\_\_\_\_  
\_\_\_\_\_

The diagram below shows a garden tool. Study and use it to answer questions 6.



6. State the crop growing practice that requires the use of the above garden tool.  
\_\_\_\_\_
7. Give a reason why distilled water is not good for drinking?  
\_\_\_\_\_  
\_\_\_\_\_
8. Name the class of cold blooded vertebrates which undergo internal fertilization.  
\_\_\_\_\_
9. State one way castor oil fruits are dispersed in the environment.  
\_\_\_\_\_  
\_\_\_\_\_
10. Why should pit latrines be constructed at least 30 metres away from the water source?  
\_\_\_\_\_  
\_\_\_\_\_
11. Name any one example of stem tubers.  
\_\_\_\_\_
12. How is a whale adapted to living in cold water of a sea?  
\_\_\_\_\_  
\_\_\_\_\_



13. State one function a stem to a mango plant.

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14. Mention one importance of food taboos in the environment.

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15. Name the part of a bacterium that enables it to move.

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16. Why do objects weigh less when placed in water?

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17. State one characteristic that makes a bat a mammal.

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18. Give the use of sugar in making ORS for people suffering from diarrhoea.

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19. How is photosynthesis important to animals in the environment?

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20. Name the disease spread by house flies which affect human eyes.

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21. Why do wind pollinated flowers produce many pollen grains?

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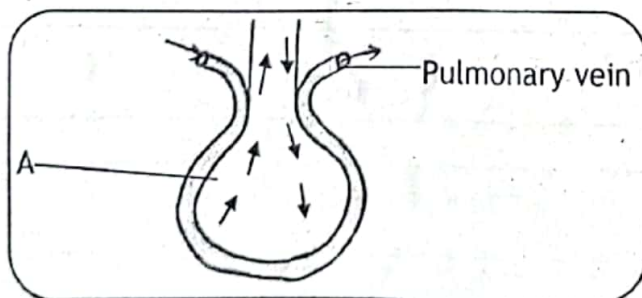
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22. What is near drowning?

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The diagram below shows a structure found in the lung, study and use it to answer questions 23 and 24.



23. Name the structure shown above.

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24. How is the above structure adapted to carrying out its function?

25. Write one condition necessary for germination to take place.

26. How does immunization boost the immunity of a baby?

27. State one way people preserve milk.

28. Give any one function of the human skeleton.

29. Why is breast milk regarded as the best food for babies?

30. State a reason why sheep shearing should be done in the dry season.

31. How are incisor teeth useful in the human mouth?

32. State any one sign of kwashiorkor in babies.

33. Mention any one example of conifers.

34. What type of root system develops in germinating bean seedlings?

35. State any one characteristic of essential drugs.

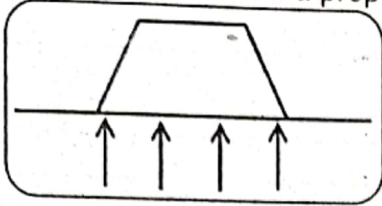
36. How is echo useful to a bat at night?

37. Name one exotic breed of goats reared for milk production.

38. Write PHC in full.



The diagram below shows a property of air. Study and use it to answer question 39.



39. How is the above property of air important in our daily life?

\_\_\_\_\_

40. Mention one material that bees use to make honey.

\_\_\_\_\_

#### SECTION .B. (60 Marks)

41. (a) Mention any two rotational systems of grazing cattle.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) Write any two advantages of rotational systems of grazing cattle.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

42. (a) Name the force which enables a drop of water to stick on the walls of a container.

\_\_\_\_\_

(b) Why do liquids occupy the shape of every container?

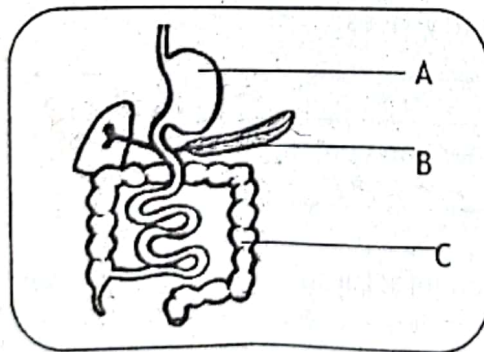
\_\_\_\_\_

(c) Write down any two properties of matter.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

The diagram below shows a digestive system of human beings. Study and use it to answer question 43.



43. (a) Name part marked C.

\_\_\_\_\_

(b) Mention one substance that is absorbed in part marked;

(i) A \_\_\_\_\_

(ii) C \_\_\_\_\_

(c) How is organ marked B useful in the human digestive system?

44. (a) State any two characteristics of insects.

(i)

(ii)

(b) Why does an insect die when its abdomen is dipped in water?

(c) Mention any one way a butterfly is useful to crop farmers.

45. (a) Mention any two examples of non-living renewable resources.

(i)

(ii)

(b) State any two ways man can conserve non renewable resources.

(i)

(ii)

46. (a) Write down two factors which affect pitch of sound.

(i)

(ii)

(b) Why do musicians tighten strings on their guitars?

(c) To which class of musical instruments does a guitar belong?

47. (a) What are poultry vices?

(b) Write down two examples of poultry vices.

(i)

(ii)

(c) State any one way a poultry farmer can control poultry vices.

48. (a) Give a reason why a laboratory manufactured drugs should be kept away from direct sunshine.

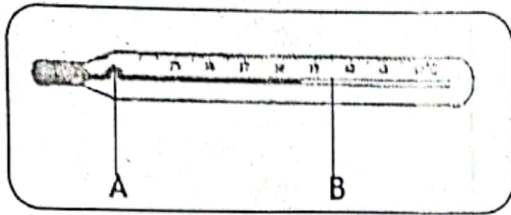
(b) State any two factors considered when prescribing drugs.

(i)

(ii)

(c) Give a reason why drugs should be prescribed.

The diagram below shows a type of thermometer. Study and use it to answer question 49.



49. (a) Name the parts of the clinical thermometer marked;

(i) A \_\_\_\_\_

(ii) B \_\_\_\_\_

(b) State the function of part marked A.

(c) Why is mercury commonly used in the above type of thermometer?

50. (a) Write two conditions that favour the multiplication of bacteria.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) How do bacteria reproduce?

(c) State one similarity between bacteria and fungi.

51. (a) Write two characteristics of physical changes.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) Mention two uses of melting as a physical change in our daily life activities.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

52. (a) Name the type of joint found at the;

(i) elbow \_\_\_\_\_

(ii) pelvis \_\_\_\_\_

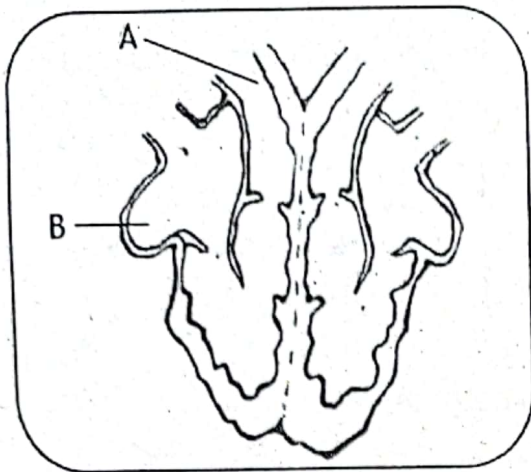
(b) How are the following structures important in the muscular skeletal system;

(i) tendons? \_\_\_\_\_



(ii) ligaments? \_\_\_\_\_

The diagram below shows the human heart. Use it to answer question 53.



53. (a) To which body organ does blood through blood vessel A flow?

(b) Which type of blood is handled by chamber B?

(c) How does the above organ prevent the backflow of blood?

(d) Mention one habit that can damage the above body organ.

54. (a) Mention two methods used in planting seeds.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) State two ways farmers improve crop yields in their crop farms.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

55. Match the following groups of birds in list A with their characteristics in list B.

A

Scavenger birds

Swimming birds

Wading birds

Preying birds

(i) Scavenger birds

(ii) Swimming birds

(iii) Wading birds

(iv) Preying birds

B

feed on carrion

have strong sharp hooked beak

have fully webbed feet

have long thin legs

END