

INTERNAL SERIES CODE TWENTY
PRIMARY LEAVING MOCK EXAMINATIONS

2024

INTEGRATED SCIENCE

Time allowed: 2 hours 15 minutes

Index No.	Random No.						Personal No.		

Candidate's name :

Candidate's signature :

School Random number :

District No. :

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Read the following instructions carefully :

1. Do not write your **school** or **district name** anywhere on this paper.
2. This paper has two sections: **A** and **B**.
Section **A** has **40** questions and section **B** has **15** questions. The paper has **15 printed papers** altogether.
3. Answer **all** questions. **All** the answers for both sections **A** and **B** must be shown in the spaces provided.
4. **All** working must be done using a **blue** or **black** ball point pen or ink. Any work done in pencil will **NOT** be marked except drawings and diagrams.
5. Unnecessary **changes** in your work and handwriting that cannot easily be read may lead to loss of marks.
6. Do not fill anything in the table indicated: **"For examiners' use only"** and the boxes inside the question paper.

FOR EXAMINER'S USE ONLY		
Qn. No.	MARKS	EXR'S NO.
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

SECTION A: 40 MARKS

Questions **1** to **40** carry one mark each.

1. Name the property of air that enables it to flow down the floor.

.....

2. State any **one** example of a material used in basic technology.

.....

3. In which way is a pumice stone useful in promoting personal hygiene.

.....

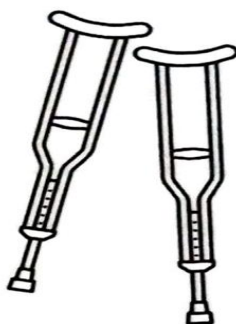
4. Name any **one** exotic breed of goats kept for milk production.

.....

5. Name the type of energy possessed by a leaf being blown by wind.

.....

The diagram below shows first aid equipment. Use it to answer the questions **6** and **7**.



6. Identify the first aid equipment shown above.

.....

7. Which injury requires the use of the above equipment?

.....

8. Why is it advisable for every school to have a fire extinguisher?

.....

9. Give any **one** method of preparing food at home.

.....

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

.....

11. State any one symptom of threadworm infestation.

.....

12. Name the method of magnetization that does not involve the use of electric cells.

.....

13. Why does a stone thrown in water settle at the bottom?

.....

14. How do ball bearings reduce friction in machines?

.....

.....

Study the diagram below and use it to answer questions **15** and **16**.



15. State any **one** way man can benefit from the instrument above.

.....

16. Give a reason why the above instrument is usually raised off the ground.

.....

17. Name the cattle disease that makes animals move in circles.

.....

18. State the part of the human ear that changes sound vibrations into impulses.

.....

19. How are the stomata useful in the process of photosynthesis?

.....

20. Apart from white yam, mention **one** other example of a root tuber.

.....

21. Name the vaccine given to babies at birth through injection.

.....

22. Name any one part of the human eye involved in accommodation.

.....

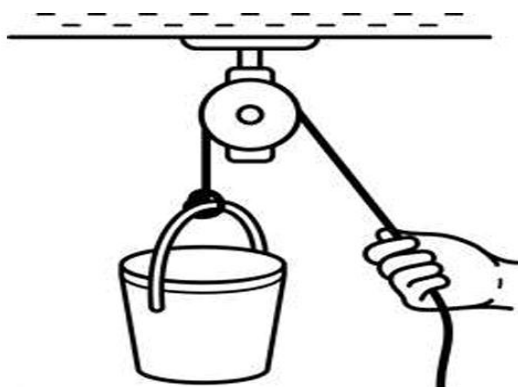
23. Give any **one** example of a spore bearing non flowering plant.

.....

24. State any **one** way of applying manure in the garden.

.....

The diagram below shows a pulley system. Study and use it to answer questions **25** and **26**.



25. Name the type of pulley system shown above.

.....

26. What is the mechanical advantage of the above pulley system?

.....

27. Give any **one** importance of wood seasoning in tree harvesting.

.....

.....

28. How does the trimming of fingernails help to control the spread of diarrheal diseases?

.....

29. State any **one** importance of pricking out in a nursery bed.

.....

30. What happens to wood when it is burnt under limited supply of oxygen?

.....

.....

31. Why is loam soil considered as the best type of soil for crop growing?

.....

32. Name any **one** adaptation of flowers pollinated by insects.

.....

33. State the importance of a feeding trough in a poultry house.

.....

.....

The diagram below shows a common practice done by mothers to care for their new born babies. Use it to answer questions **34** and **35**.



34. Name the practice shown above.

.....

35. Apart from containing most food values, give **one** other reason why breast milk is the best food for new born babies.

.....

36. Name the structures in the human heart that prevent blood to flow in a wrong direction.

.....

37. State the role played by houseflies in the 4F germ path.

.....

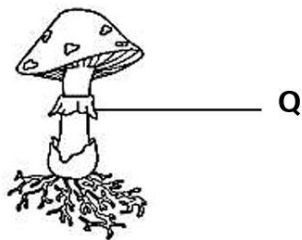
38. Name the type of change that takes place when a rubber band stretches.

.....

39. Name the cattle product that requires regular use of a strip cup.

.....

The diagram below is a mushroom. Use it to answer question **40**



40. State the function of part marked Q to the mushroom.

.....

SECTION B: 60 MARKS

Questions **41** to **55** carry four marks each.

41. (a) Name the group of musical instruments to which a drum belongs.

.....

- (b) Identify any one factor that determines the pitch of sound produced by a drum.

.....

- (c) In which way is an echo similar to the following in terms of formation ;

- (i) Shadow?

.....

- (ii) Image?

.....

42. (a) Give any **two** common myths about family planning.

- (i)

- (ii)

- (b) Name the permanent family planning method in men.

.....

- (c) State any **one** importance of PIASCY messages to a P.7 pupil.

.....

43. (a) State any **two** examples of harmful fungi.

- (i)

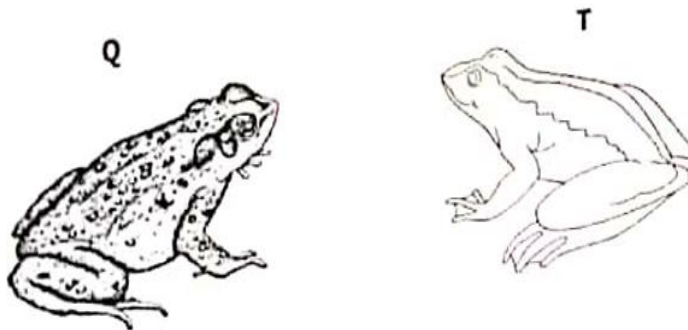
- (ii)

- (b) Apart from causing diseases, mention **two** other dangers of harmful fungi to people.

(i)

(ii)

44. The diagram below shows two different vertebrates. Use it to answer the questions that follow.



- (a) Name the vertebrate marked **Q**.

.....

- (b) To which group of vertebrates do the above animals belong?

.....

- (c) Why are the animals above able to live both on land and in water?

.....

- (d) Name any one other animal that can be grouped together with the ones shown above.

.....

45. (a) State any **two** causes of silting.

(i)

(ii)

(b) Give any **two** dangers of silting.

- (i)
- (ii)

46. The table below shows parts of the digestive system and their importance in digestion. Complete it correctly.

STEP	IMPORTANCE
.....	Rolls food into bolus
Colon
.....	Turns bolus into chyme
.....	Mastication

47(a) What is meant by the term anti social behaviour?

.....

.....

b) Why are anti social behaviour regarded as social problems in the community?

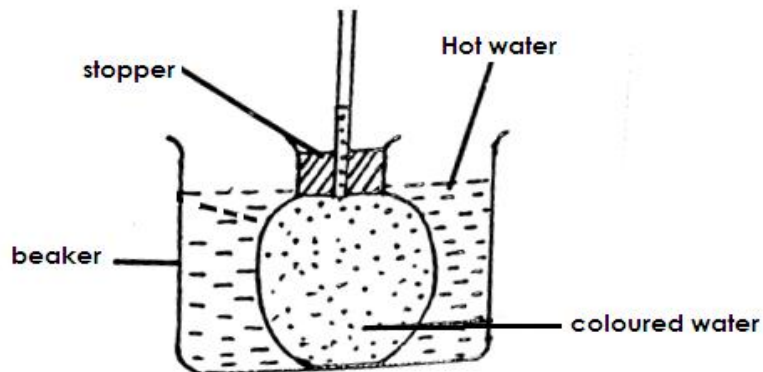
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c) State any two causes of anti social behaviour in the society.

.....

.....

48. The diagram below shows an experiment about effects of heat on liquids. Use the diagram to answer the questions that follow.



- (a) Which effect of heat on liquids is shown above?

.....

- (b) Why does the level of coloured water decrease for a short time immediately after putting the flask in hot water?

.....

- (c) Why does the level of coloured water rise up when the flask is left in hot water for sometime?

.....

.....

- (d) Apart from the effect of heat shown above, mention **one** other effect of heat on liquids.

.....

49. The diagram below shows a feeding relationship in the environment.

Bacteria ← kite ← hen ← cabbage

- (a) What name is given to the feeding relationship shown above?

.....

- (b) Name the producer in the above feeding relationship.

.....

(c) What do the arrows represent in the above feeding relationship?

.....

(d) State the role of bacteria in the above feeding relationship.

.....

50. (a) Why is the queen excluder of a modern bee hive made of tiny holes?

.....

(b) State any **one** tool used in stocking a bee hive.

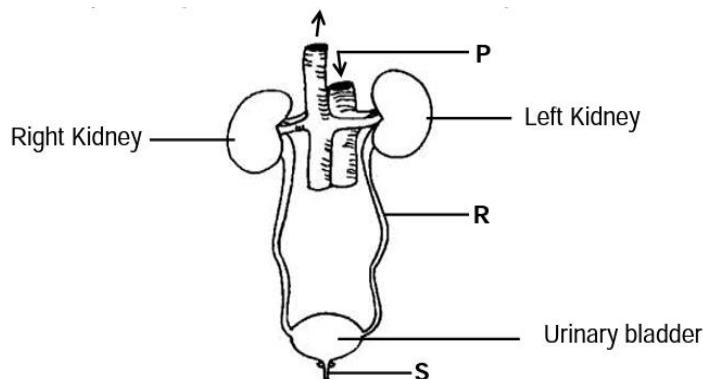
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(c) Apart from building honey combs, state **two** other duties of worker bees in a hive.

(i)

(ii)

51. The diagram below shows the urinary system. Study the diagram and use it to answer the questions that follow.



(a) Name the parts marked by letters **S** and **R**.

(i) **S**

(ii) **R**.....

- (b) Apart from urinary system, name the other system to which the human kidney belongs.

.....

- (c) How is the urinary bladder different from the gall bladder in terms of function?

.....

52. Arrange the steps of the process of germination given below in a *correct order* of occurrence.

- a) The plumule grows and pushes itself out of the soil.
- b) The seed swells and the testa softens.
- c) The radicle pushes the testa and comes out.
- d) The seed absorbs water from the soil.

.....

.....

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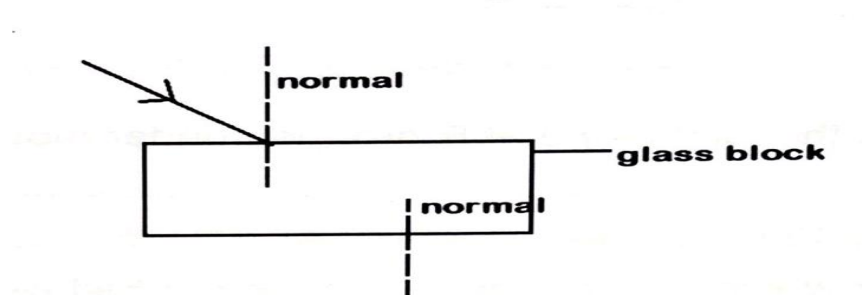
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53. (a) Apart from refraction, mention **two** other properties of light.

(i)

(ii).....

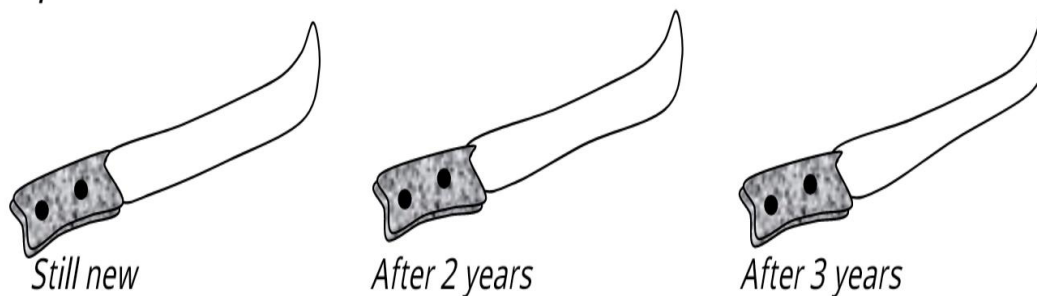
(b)Complete the diagram below by showing the refracted ray and the emergent ray.



54. (a) Which element of PHC is promoted by having a pit latrine at home?

-
- (b) State the recommended distance (in metres) of a pit latrine from;
- (i) A kitchen
- (ii) A borehole
- (c) How are dry banana leaves useful in promoting the hygiene of ordinary pit latrines?.
-

55. Namubiru bought a new panga and it became smaller with time as shown in the diagram below.



- (a) Name the force that made the panga to become smaller with time.
-

- (b) Give any two situations where the force that made the panga become smaller is useful.
-
-

- (c) Name any one material that can be used to overcome the force shown in the diagram.
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END