



OUTREACH SCHOOLS EXAMINATIONS BOARD

PRIMARY LEAVING SPECIAL MOCK EXAMINATIONS

2024

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 Minutes

Random No.						Personal No.		

Candidate's Name:

Candidate's Signature:

School Name:

District No:

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Read the following instructions carefully:

1. This paper has two sections: **A** and **B**
2. Section **A** has 40 questions (40 marks)
3. Section **B** has 15 questions (50 marks)
4. Answer all questions. All the working for both sections A and B must be shown in the spaces provided.
5. 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 diagram.
6. Unnecessary changes in your work and handwriting that cannot be easily read may lead to loss of marks.
7. Do not fill anything in the table indicated
"For examiners' use only" and the boxes inside the question paper.

FOR EXAMINERS' 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		

OUTREACH SERVICES KAMPALA-(U)

(((OUTREACH SCHOOLS EXAMINATIONS BOARD(OSEB)-KAMPALA)))

LOCATED AT 6MILES GAYAZA ROAD-KLA

TEL: 0742845900 / 0775787978

(MOCK SERIES)

SECTION A: 40 MARKS

Questions 1 to 40 carry one mark each

1. Mention any one process in plants which requires oxygen to take place.

.....

2. What is the importance of maggots in a pit latrine?

.....

3. Which germ causes anthrax in livestock?

.....

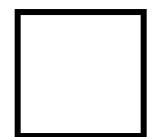
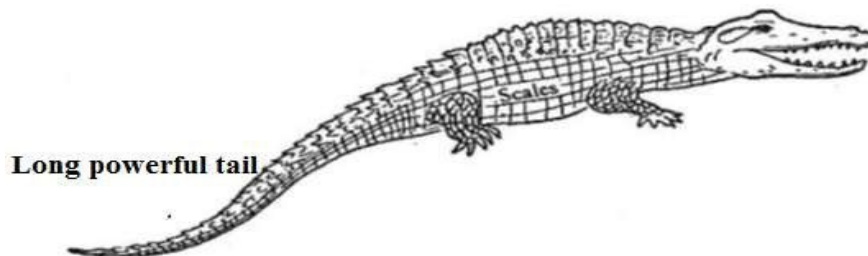
4. Name the state of matter, where water is in vapour form.

.....

5. How is the cactus plant able to reduce the rate of transpiration?

.....

The diagram below shows a reptile. Study it and answer questions 6 and 7.



6. State one characteristic of the above reptile.

.....

7. Give one use of the long powerful tail to the reptile above.

.....

8. Why is hair of importance on the body of mammals?

.....

9. What is the importance of the micropyle to the bean seed?

.....

10. How does a duck billed platypus differ from all other mammals in the mode of reproduction?

.....

11.State the excretory organ that eliminates carbon dioxide as a waste product from the body.

.....

12. What is the important role carried out by the moist skin in earthworms?

.....

13. Mention the permanent birth control method in men.

.....

14. In which way are biological changes similar to chemical changes?

.....

.....

15. How is a jack fruit seed adapted to its mode of dispersal?

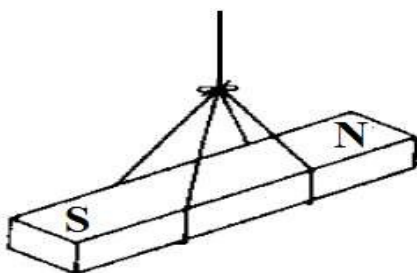
.....

16. What is the use of a lactometer to a milk vendor?

.....

Below is an illustration of a property of magnet. Use it to answer

Question 17.

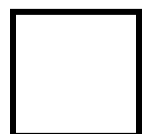
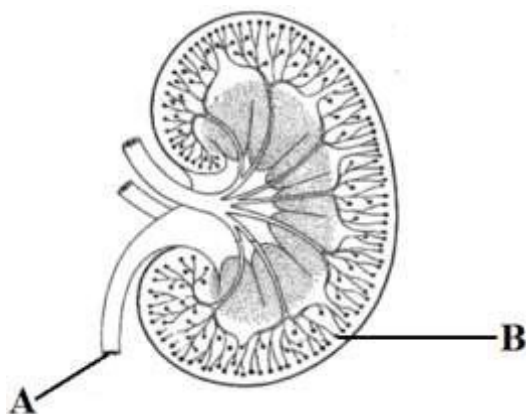


17. Name the property of magnet illustrated above.

.....

18. State any one way in which a water pond near a school is of great danger.
.....
19. How do trees help in controlling air pollution?
.....
20. Glen touched a kettle full of water and found it to be hot. Which body sense enabled her to tell that the kettle was hot?
.....
21. Why should both partners go for treatment if a wife or husband has gonorrhoea?
.....
22. Why should a community care for water sources?
.....
23. Give the importance of the albumen during incubation of birds' eggs.
.....
24. Name the organ in the body which controls the amount of sugar in the blood.
.....
25. State the structure in the human body that connects a bone to a bone.
.....
26. Which force causes tear and wear in the moving parts of machines?
.....

The diagram below is of a kidney. Use it to answer questions 27 and 28.



27. Name part marked **A**.

.....

28. State the importance of part marked **B** in the kidney.

.....

29. What is the importance of the stigma in flowers during pollination?

.....

30. How does oiling of metallic tools prevent rusting?

.....

31. Give the danger of over cultivation to the soil.

.....

32. Apart from rubber and metals, mention one other recyclable resource.

.....

33. Write down one quality of essential drugs.

.....

34. Why should farmers test seed viability before planting them?

.....

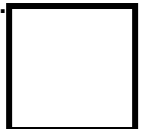
35. State the resource in the environment that enables the skin to make vitamin D.

.....

36. What disease is someone most likely to suffer from when bitten by a mad dog?

.....

37. Give the insect whose larva stage is called grub.



.....

38. Why is the rate of urinating higher on cold days?

.....

39. State the danger of rats to human health.

.....

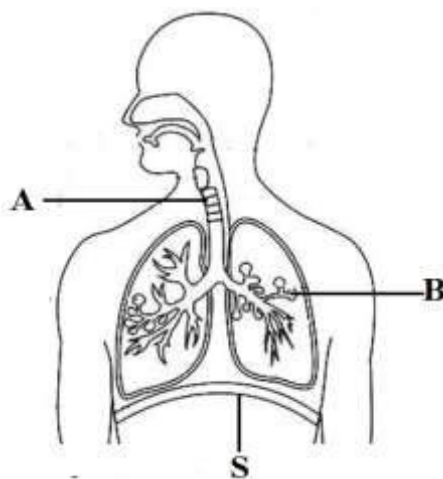
40. How is regular blinking important to the eye?

.....

SECTION B : 60 MARKS

Questions 41 to 55 carry four marks each.

41. **The diagram below is of a body system. Study it and answer the questions that follow.**



a) Name parts marked with letters,

i) **A:** ii) **B:**

b) What happens to part marked **S** during,

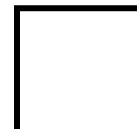
i) Inhalation:

ii) Exhalation:

42. a) What are malnutritional diseases?

.....

.....



b) Mention any two examples of malnutritional diseases.

i)

ii).....

c) State the best way of preventing malnutritional diseases.

.....

43.a) Give any two components of the soil.

i)

ii)

b) Which component of soil improves upon its fertility?

.....

c) Why doesn't sand soil hold water for a long time?

.....

44. a) State any two ways in which school pupils benefit from a school garden.

i)

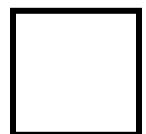
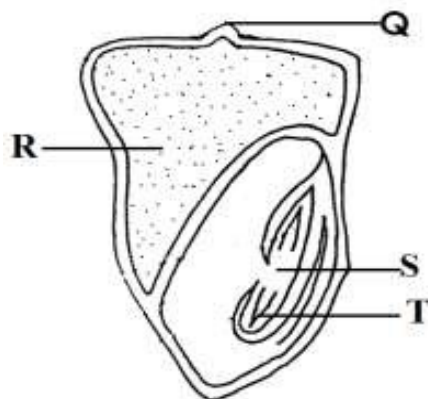
ii)

b) Give any two ways the pupils can get involved in caring for crops in a garden.

i)

ii)

45. **The diagram below shows a maize grain. Use it to answer questions that follow.**



a) Name the parts marked **Q** and **S**.

i) **Q**

ii) **S**

b) What will part **T** develop into after germination?

.....

c) Give the function of the part marked **R**.

.....

46. a) How is photosynthesis useful in plants?

.....

b) State the two raw-materials for photosynthesis.

i)

ii)

c) Why can't photosynthesis take place at night?

.....

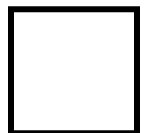
47. **A child's temperature was measured and it was 40°C.**

a) Which thermometer could have been used to measure the child's temperature?

.....

b) What could be the equivalent of the above temperature reading on the Fahrenheit scale?

(03 marks)



48. a) What is communal grazing in livestock keeping?

.....

.....

b) State any two advantages of communal grazing to herdsman.

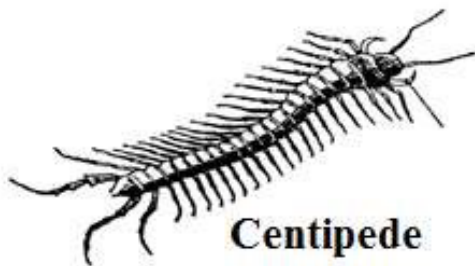
i)

ii)

c) Mention the disadvantage of communal grazing to livestock.

.....

49. **The diagrams below show a centipede and a millipede. Use them to answer question 49.**



a) Name the sub group of arthropods to which the centipede and millipede belong.

.....

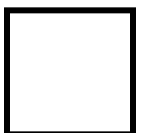
b) How do the above arthropods differ in the way they feed?

.....

c) Give any two similarities between a centipede and a millipede.

i)

ii)



50. a) Why are plants referred to as renewable resources?

.....

b) Give two examples of non-living renewable resources.

i)

ii)

c) State one way how animals are used as energy resources.

.....

51. **Match the items in List A with those in B correctly.**

A

B

i) Platelets

Regulates water level in the
body.

ii) Plasma

Clot blood in case of a cut.

iii) Kidney

Produces bile juice.

iv) Liver

Transports digested food.

i) Platelets:

ii) Plasma:

iii) Kidney:

iv) Liver:

52. a) Briefly explain the term **"an electrolyte"**.

.....

.....

b) Give two examples of electrolytes.

i)

ii)

c) Why is it dangerous to touch live electric wires with bare wet hands?

.....

53. a) State a farm activity that enables a farmer to;

i) increase plant population in the garden.

.....

ii) break the life cycle of pests.

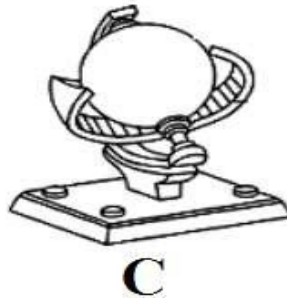
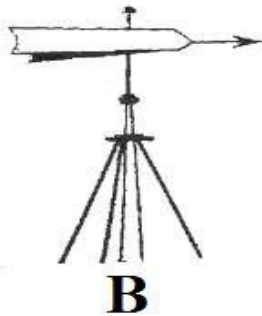
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b) Give two reasons why farmers use herbicides on their farms.

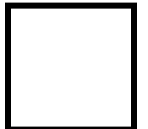
i)

ii)

54. **The diagrams below show some weather instruments. Study them and answer the questions that follow.**



a) Name instrument **A**.



.....

b) Mention the element of weather recorded by instrument **C**.

.....

c) How is the function of instrument **B** similar to that of **D**?

.....

d) Which weather instrument shows the strength of wind?

.....

55. **Study the table and answer the given questions.**

P	Q	R	S
Beans	Cypress	Mangoes	Ferns
Cowpeas	Podo	Avocado	Mosses
Groundnuts	Cedar	Coconut	Horsetail

a) State one way in which plants in group **P** are useful to;

i) People:

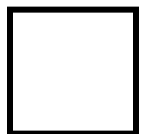
ii) Soil:.....

b) Why are fruits from plants in group **R** termed as drupes?

.....

c) How do plants in group **Q** reproduce?

.....



******Good luck******