

PEAK JUNIOR SCHOOL NAKABUGO



P.7 INTERVIEW EXAMINATIONS 2025 INTERGRATED SCIENCE Time allowed: 2hours 15 minutes

Candidate's name:

Read the following instructions carefully:

1. This paper has two sections A and B.
Section A has 50 questions and section B has 5 questions.

2. Answer all questions. All the Working must be shown in the spaces provided.

3. All working must be done using a blue or black ball point pen or ink.

4. Unnecessary changes in your work and handwriting may lead to loss of marks.

5. Do not fill anything in the table indicated "For examiners' use only".

FOR EXAMINER'S USE ONLY

SECTIONS	MARKS	COMM.
SEC A		
SEC B		
TOTAL		

Turn Over

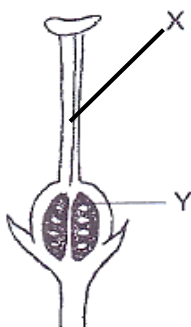
SECTION A (40 MARKS)

1. Name the disease which is spread by infected dogs and cats.

2. Which form of energy is used by our ears?

3. Name the class of flowering plants to which maize belongs.

The diagram below is of part of a flower. Use it to answer questions 4 and 5.



4. Name the part marked X.

5. State the function of the pistil shown above.

6. Give a reason why cattle farmers carryout dipping on their farms.

7. State any first aid step you can take after a snake bite on your ankle.

8. Why should babies be breast fed?

9. Give one way in which plants depend on animals?

10. Give one way in which teeth are important in the process of digestion.

11. Name any one characteristic of seeds which are dispersed by wind.

The diagram below shows a strip cup. Use it to answer question 12.



12. What is the use of the farm tool shown above to a cattle keeper?

13. Which part on a mushroom is used for reproduction?

14. Why do people who are on vigorous physical exercises breathe rapidly?

15. State the use of humus in soil.

16. Give one way in which legumes are important to a garden.

17. Mention any one group of people who need special care in a community.

18. How is the propagation of sugar cane similar to that of cassava?

19. Why do doctors need Clinical thermometers while at work?

20. State one way in which a cattle farmer can prevent overgrazing.

21. Mention one characteristic of all reptiles.

22. Why is the Sun important to all green plants?

23. How do Conifers differ from other non –flowering plants?

24. What is the importance of a window on a house?

25. Give any one example of predators that eat fish as their prey.

26. How is de-beaking poultry birds important to a farmer?

27. State any one way of protecting water wells in our Community.

28. Mention any one factor which leads to drug abuse.

29. What type of fertilization takes place in amphibians?

Study the diagram below and use it to answer question 30.



30. Give one way you can change the pitch of the drum above.

31. Why is a dry season the most suitable for harvesting cereals?

32. Give any one disadvantage of keeping exotic breeds of cattle in Uganda.

33. State an example of a winged mammal.

34. Give any one way in which we can keep our hearts in proper working condition.

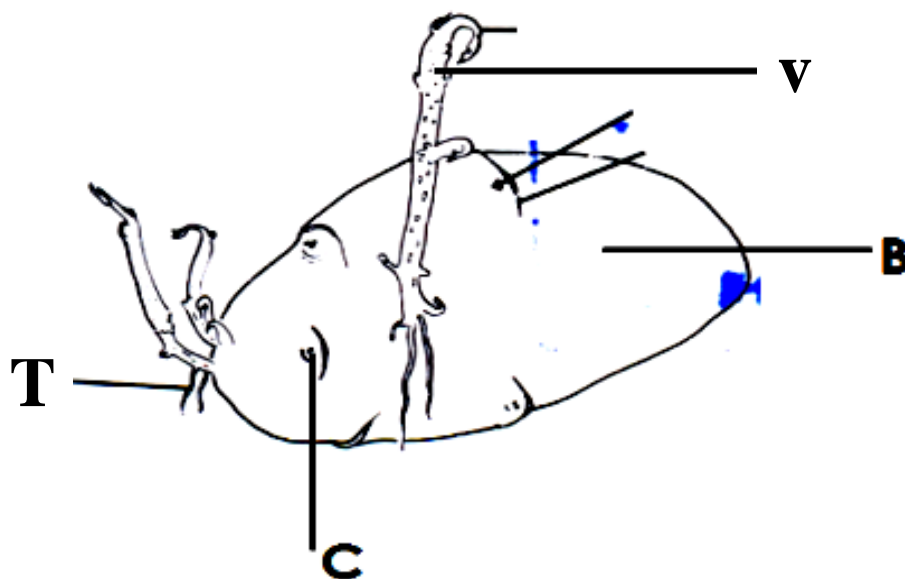
35. State any one way in which termites are useful in a garden.

36. Give any one reason why extended families exist.

37. Name any one product of milk.

38. State the type of change that takes place when sunny weather turns into cloudy.

The diagram below shows an Irish potato tuber. Use it to answer questions 39 and 40.



39. Name the part marked V.

40. Name the roots marked T.

SECTION B (60 MARKS)

Questions 41 to 55 carry four marks each.

41(a) Name the smallest blood vessels in the body.

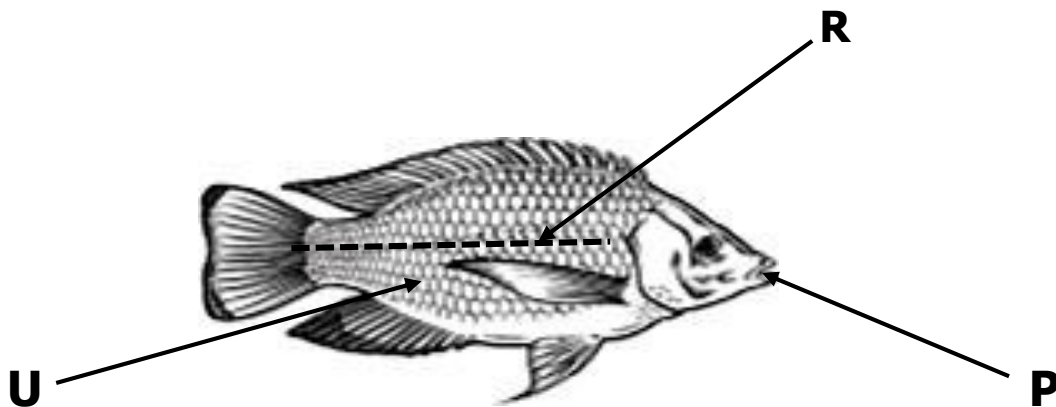
(b) State the function of the aorta.

(c) Give any two ways of increasing the volume of blood in circulation.

(i) _____

(ii) _____

42. **The diagram below is of a fish. Use it to answer the questions that follow.**



(a) Name the part labeled R.

(b) Give the function of the parts labeled P and U.

(i) P _____

(ii) U _____

(c) What structure is covered by the part labeled Q?

43(a) State the meaning of the following terms:

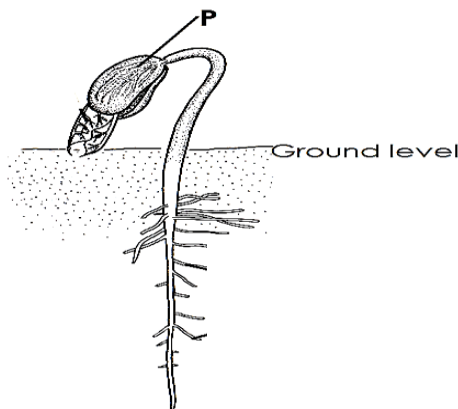
(i) Passive smoking: _____

(ii) Active smoking: _____

(b) Give one reason why the government stopped smokers from smoking in public places.

(c) Give one effect of smoking to the smoker.

44. **The diagram below shows a germinating seed. Use it to answer questions that follow.**



(a) State the type of germination shown above.

(b) Where does the seed above store the food used during germination?

(c) Give an example of a crop with the same type of germination.

(d) Apart from moisture, state any one other condition necessary for seed germination.

45.(a) Mention the habitat for algae.

(b) Apart from mosses, name two other spore bearing plants.

(i) _____

(ii) _____

(c) State the economic value of plants to people.

46(a) Mention any three types of cattle.

(i) _____

(ii) _____

(iii) _____

(b) Which breed of cattle is the Friesian?

47(a) Why is it not advisable to start a cattle farm in an area infested with tsetse flies?

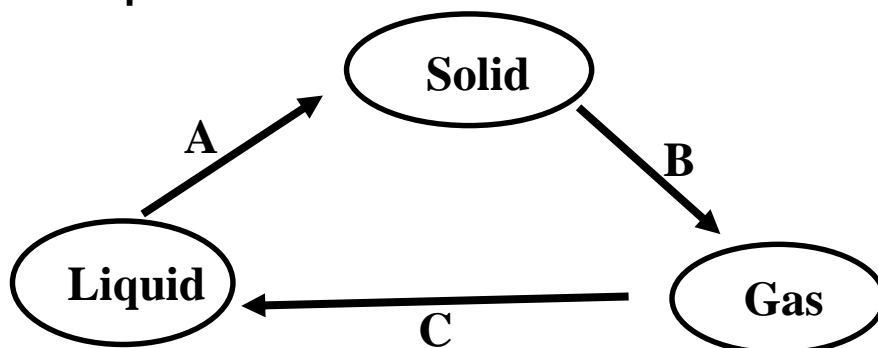
(b) Mention any three ways a farmer can control cattle diseases on his farm.

(i) _____

(ii) _____

(iii) _____

48. **The diagram below shows changes in states of matter. Study and use it to answer questions that follow.**



(a) Name the process that leads to change **A**.

(b) Name the change marked **B**.

(c) What name is given to water that is in gas form?

(d) Which process leads to change **C**?

49. (a) State the function of the ear drum.

(b) What is an echo?

(c) Give any one way of controlling echoes in halls.

(d) Which part of the ear helps in body balancing?

50. Define the following methods of plant propagation.

(a) grafting _____

(b) marcotting _____

(c) layering _____

(d) budding _____

51. (a) Mention two types of soil erosion.

(i) _____

(ii) _____

(b) State two ways in which soil erosion is bad.

(i) _____

(ii) _____

52. **Match the cattle disease to its cause below.**

Disease	Cause
Anthrax	Bacteria
Rinderpest	Protozoa
East Coast fever	Virus
Mastitis	Bacteria

(i) Anthrax _____

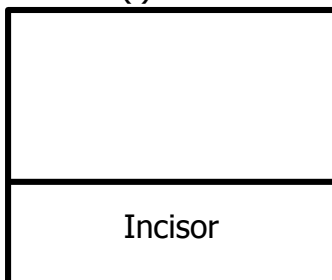
(ii) Rinder pest _____

(iii) East Coast Fever _____

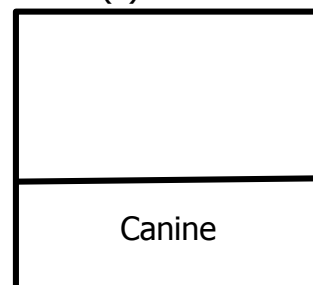
(iv) Mastitis _____

53.(a) **In the space provided below, draw the shapes of incisor and canine teeth.**

(i)



(ii)



(b) State one way in which Canine teeth are adapted to their function.

(c) Give any one way of keeping teeth in good condition.

54(a) Apart from egg-eating, name any one other vice in poultry birds.

(b) Give any one cause of egg-eating in poultry birds.

(c) State any two ways of preventing egg-eating vice in poultry.

(i)

(ii)

55. (a) Name any two products got from sheep.

(i)

(ii)

(b) What is Shearing as used in sheep rearing?

(c) How can a farmer control Pneumonia in sheep?

END

Marking guide for P.7

Science INTERVIEW EXAMS GUIDE

Section A

1. Rabies
2. Sound energy
3. Cereals
4. Style
5. Reproduction
6. To soak them in pesticides in order to kill ticks and mites on their bodies.
7. Clean the wound / Remain calm / tie a bandage or piece of cloth around the leg above the ankle.
8. Because breast milk contains all food values needed by the baby to grow well.
9. Plants need carbon dioxide from animals to be able to make their own food.
10. Teeth help to break down food into small particles (chewing) mastication.
11. They are light/ They have feathery bristles /Some have stiff wings/ some have long feathery tails.
12. Used to detect mastitis.
13. The gills
14. Because the body needs to take in more oxygen for respiration.
15. Humus makes the soil fertile/ humus contains nutrients which make soil good for plant growth.
16. Legumes makes the soil fertile by adding nitrogen.
17. Pregnant women / Young children/ the disabled / elderly/ the sick.
18. Both sugar cane and cassava are propagated by stem cutting.
19. To be able to measure the body temperature of patients.
20. By creating paddocks / planting pastures/ limiting the number of cattle in his farm.
21. They have scaled bodies / They lay eggs/ sides/ Most move by crawling/ They are vertebrates / They have cold blooded metabolism.
22. The sun provides the light which helps green plants to carryout photosynthesis.
23. Conifers propagate by seeds whereas other non-flowering plants.
24. To let in fresh air.
25. To enable light enter the house
26. King fisher / sharks/ whales/ Bears/ Pelicans/ Crocodiles.
27. Fencing the walls / Avoid dropping waste matter in walls
28. Peer pressure /Genetic factor – hereditary behaviour/ The home or environment where a person grew up from / Trauma from world causes/ metal illness/ Personality.
29. External fertilization
30. By tightening or loosening the skin on the surface.
31. There is enough Sunshine/ heat to dry harvested crops.
32. They are expensive to maintain – care for. / They are less resistant to diseases.
33. Bat
34. Doing regular physical exercises / Eating a balanced diet.
35. Termites help to break down big objects and molecules for easy decay and integration in the soil. / They improve aeration of soil.
36. Poverty / Internal family quarrels / Family break ups / Wars.
37. Ghee / Yoghurt / Cheese / Whey / Butter.
38. Natural change.
39. Auxilliary bud
40. Adventitious roots.
41. (a) Capillary
(b)The aorta distributes oxygenated blood to all parts of the body.
(c)(i)Feeding on a balanced diet always / Monitor blood volume regularly/Blood transfusion / Doing regular physical exercises
(ii) Taking food supplements/ See a doctor
42. (a) Lateral line
(b) (i) P Eating / Taking in food
(ii) Protecting the skin
(c) gills
43. (a) (i) The inhalation of second hand smoke exhaled by another smoker in the same environment.
(ii)The intended inhalation of tobacco smoke by a smoker directly from a source.
(b)To reduce the risks of spreading infections that come as a result of passive smoking.
(c)Lung cancer / affects blood circulation / major arteries / Damage to the lungs, kidneys, stomach,/ affects the immune system.

44. (a) Epigeal germination.
 (b) In the cotyledons
 (c) beans
 (d) warmth / Oxygen
45. (a) Water/ moist surfaces/ or dump places/ on plants / on animals.
 (b)(i) Ferns / Liverworts/ Gymnosperms/ horsetail
 (c) plants are sold for income/ Plants are new materials for industrial purposes.
46. (a) (i) Dual purpose
 (ii) Beef
 (iii) Dairy
 (b) exotic breed
47. (a) because tsetse flies can spread nagana to cattle.
 (b) (i) Spraying / Isolating sick animals
 (ii) dipping
 (iii) vaccinating
48. (a) Freezing
 (b) evaporation
 (c) Vapour
 (d) Condensation
49. (a) To send / transmit sound vibrations to the ossicles / To vibrate when sound waves hit it.
 (b) Echo is reflected sound.
 (c) By using acoustic foam panels on walls facing each other / Putting soft carpets on bare floors.
 (d) To receive sound waves and transmit them to the brain / To maintain body balance.
50. (a) The joining of two or more plants in order to grow as one plant. Tying the scion of one plant on the root stock of another plant.
 (b) The technique of vegetative propagation where a branch of a parent plant is induced to produce roots and grow into an independent plant.
 (c) A modern form of marcotting.
 (d) This vegetative propagation involves a bud of one plant being tied to another plant.
51. (a) (i) gully erosion
 (ii) Sheet erosion / rill erosion
 (b)(i) It makes the land unfertile since nutrients are washed away.
 (ii) It exposes plant roots hence making the plant weak.
52. (i) Anthrax – bacteria

- (ii) Rinder pest - Virus
 (iii) East Coast fever – Protozoa
 (iv) Mastitis – bacteria
53. (i) (ii)



- (b) The Canine teeth are sharp – pointed to enable them tear through food.
 (c) Eating foods rich in calcium / Brushing teeth properly after each meal / visiting a dentist regularly to carry out dental check.
54. (a) Feather pecking/ Canibalism / Toe pecking/ head pecking/ Vent pecking
 (b) Mineral deficiency in their bodies.
 (c)(i) Debeaking / Reduce over crowding of nests / Consider a nest design which allows egg to roll away in the tray.
 (ii) Provide enough food / balanced diet / Give them adequate space to exercise.
- 55(a) (i) wool
 (ii) mutton
 (b) The process by which the woolen part of a sheep is cut off.
 (c) – Isolate the sick sheep / call a vet for diagnosis / Treat the symptoms / Feed the sheep with nutritious feeds / Test for and remove any parasite / look for behavioral change / Early detection helps control spread.