

THE ARIAL EXAMINATIONS®

P.7 INTEGRATED SCIENCE EXAMINATION

PRE-PLE SET III TERM III-2022 (Abridged Curriculum)

Time allowed: 2 hours 15 minutes

School No.						Personal number		

Candidate's Name: _____

Candidate's Signature _____

District Name: _____

Read the following Instructions carefully:

This paper is made up of two sections: A and B.

1. Section A has 40 questions (40 marks).
2. Section B has 15 questions (60 marks).
3. Answer ALL questions in both sections A and B.
4. All answers must be written in spaces provided using blue or black pens or Ink. Only diagrams should be done in pencil.
5. Unnecessary crossing of answers will lead to loss of marks.
6. Do not fill anything in boxes indicated for examiners' Use only.

FOR EXAMINERS' USE ONLY		
page	Marks	Initials
Page 2		
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Page 7		
Page 8		
Total		

Subject teacher's Comment to the learner

Approved by



Team Leader

SECTION A (50 MARKS)

1. What type of fracture is common in young children?

2. Where in the human alimentary canal are fats first digested?

3. Give one reason why a stone is said to be a non-living thing.

4. Name the component of blood that helps to clot it.

5. Give one way of controlling soil erosion in hilly areas.

6. Give the part of a farm animal that is used as a raw-material in leather industry

7. How are dustbins important at school?

8. Apart from being form of energy, how else is sound similar to light energy?

9. State any one sign a farmer can use to tell a cow which is on heat period.

10. State one difference between current electricity and static electricity.



11. What general name is given to the above part of a flower?

12. Name any one liquid metal.

13. Why do people iron their clothes?

14. How are bacteria useful during the process of soil formation?

15. What is the use of spores to a fern plant?

16. Name the force that exists between water and glass molecules.

17. What general name is given to diseases one gets as a result of poor feeding?

18. Given one human activity where conduction is useful.

19. State any one general function of arteries as blood vessels.

20. How does fair spacing of particles in loam soil make it good for crop growing?

21. Name the type of compound leaf shown below



22. How does painting prevent metallic windows from rusting?

23. State the part of the fish which has the same role as ears of a cat.

24. Give any one example of social insect.

25. What is farrowing as used in piggery?

26. Give one reason why school children are advised to put on shoes.

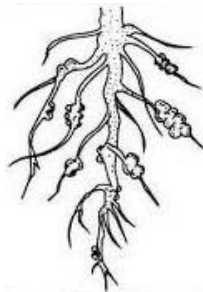
27. Assuming there is an outbreak of dysentery in a community, give one way how P.7 Pupils can help to control its spreading.

28. Give anyone example of preying birds

29. Name anyone soil living organisms that help to create space in the soil for easy aeration.

30. Which type of bee mates with the queen?

31. Name one plant with the above type of root system.



32. What is the role of grit found in the gizzard of fowls?

33. Why are bacteria said to be saprophytes?

34. Give the best way of preserving food crops after harvesting.

35. How can you tell that a person has taken poison?

36. How do human being produce sound?

37. What is the immediate effect of diarrhoea to a person?

38. In which layer of soil are plant nutrients found?

39. Name the larva stage of a mosquito.

40. Give the major reason as to why farmers keep broilers.

SECTION B (50 MARKS)

41. (a) What is drug addiction?

(b) State two causes of alcohol addiction

(i) _____

(ii) _____

(c) Suggest one way youth can guard themselves against taking alcohol.

42. (a) Name the digestive juice which is found in the mouth.

(b) Give any two disorders of the digestive system.

(i) _____

(ii) _____

(c) State **any one** health habit that promotes the proper functioning of the digestive system.

43. (a) What is pollination

(b) Name the agent of pollination for flowers with brightly coloured petals.

(c) Give the male reproductive cells of a flowering plant

(d) Where in the flowering plants does fertilization occur?

44. (a) State another name for crop pests.

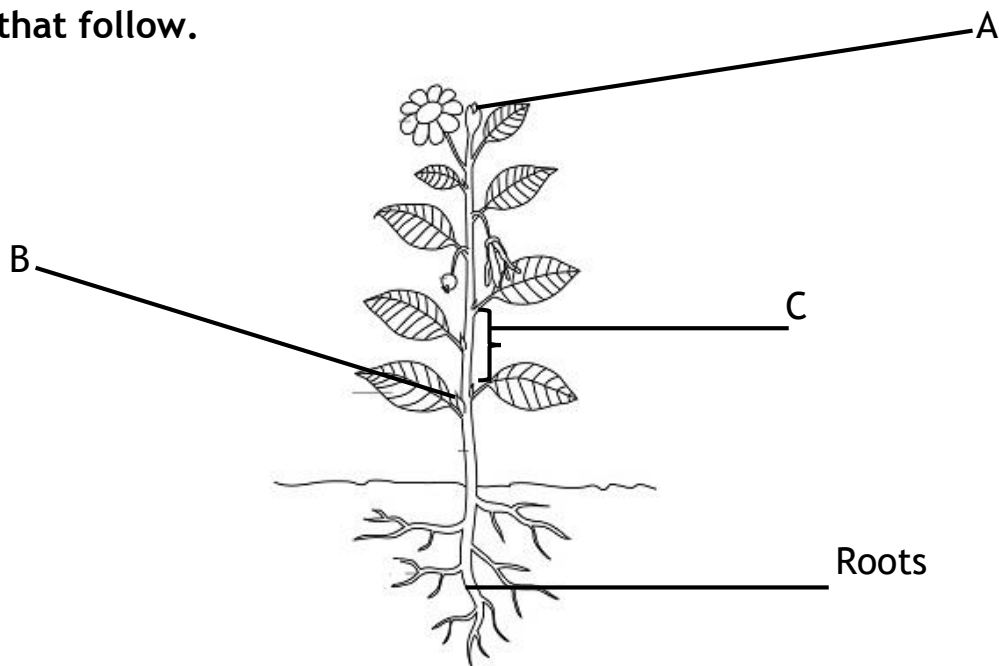
(b) Give two examples of crop pests

(i) _____

(ii) _____

(c) Mention one way of preventing growing crops from pests.

45. The diagram below shows the parts of a flowering plant. Use it to answer questions that follow.



(a) Name the parts labelled

A _____
 B _____
 C _____

(b) How useful are roots to a plant.

46. Match items in list B and those in list C

List B

Anaemia

Scurvy

Goiter

Night blindness

List C

skin

eye

blood

thyroid gland.

47. (a) Mention any two materials needed to make ORS

(i) _____
 (ii) _____

(c) Of the materials used to prepare ORS, name

(i) A solute _____
 (ii) A solvent _____

48. (a) Give any two examples of non-magnetic materials

(i) _____

- (ii) _____
- (b) Which method of magnetization involves electric energy?

- (c) Give any one importance of magnets to people.

49. Study the list of organisms below and use it to answer questions that follow.

GRASS SUN LION GOAT

- (a) From the above list. Identify the organism which is referred to as the
- (i) Producer _____
 - (ii) Primary consumer _____
 - (iii) Secondary consumer _____
- (b) Using the organisms in the list, make a food chain.

50. Give one word to group of words which has similar meaning with each of the statements given below

- (a) The washing down of nutrients from top layer to bottom layers where plant roots cannot reach

- (b) Depositing of eroded soil particles into the water bodies

- (c) Natural vertical arrangement of soil layers from the top to bottom

- (d) Breaking down of rocks into small particles.

51. (a) Write ECOSAN in full.

- _____

- (b) Give any one advantage of ECOSAN latrine to VIP latrine.

- (c) How far should a pit latrine be from
- (i) A source of water

 - (ii) A living house

52. Draw symbols for the following devices as used in electricity.

(a) Bulb

(b) Dry cell

(c) Switch

(d) Fuse

53. (a) Give one benefit of cattle keeping to crop growing

(b) Mention two types of cattle kept in Uganda

(i) _____

(ii) _____

(d) Identify the grazing method suitable to farmers living in rural areas.

54. Complete the immunization table below

Date	Vaccine	Disease	Site
9 months	Measles vaccine	Measles	_____
At Birth	Polio vaccine	Polio	_____
At birth	BCG	_____	Right upper arm
1 ½ months	_____	Tetanus	Left upper thigh.

55. (a) What is friction?

(b) Give two ways where friction is regarded as a nuisance force

(i) _____

(ii) _____

(c) Of what value are spikes on soles of shoes?

END