

IPPSA EXAMINATION BOARD

P.7 MID - TERM II 2023

INTEGRATED SCIENCE EXAMINATION

Time allowed: 2 hours 15 minutes.

Index No.

Candidate's Name:

Candidate's Signature:

EMIS Number:

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		
QN. No	MARKS	SIGN
1-10		
11-20		
21-30		
31-40		
41-42		
44-46		
47-49		
50-52		
53-55		
TOTAL	15	

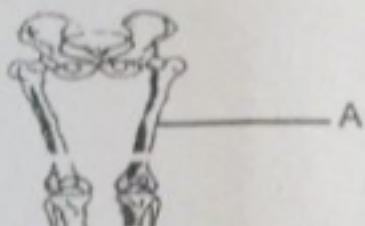
SECTION A. (40 Marks)

1. Name the type of leaf venation found in maize plants.

2. Give the name of male bees in the hive.

3. How is a frog able to live both on land and in water?

The diagram below shows part of the human skeleton. Study and use it to answer question 4.



4. Name the type of bones to which bone A belongs.

5. Why is it easier to push a wheelbarrow uphill than downhill?

6. State the reason why we hear clearer at night.

7. Name the type of electricity produced by burning fossil fuels.

8. Give a reason why females of child bearing age are given TT vaccines.

9. In which one way does weeding control crop pests?

10. Name one communicable disease which affects red blood cells.

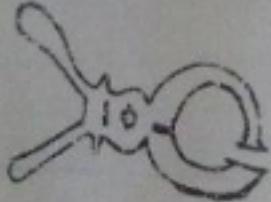
11. Give one way electricity can be conserved at home.

The diagram below shows a weather instrument. Study and use it to answer question 12.



12. State the use of the weather instrument above at the weather station.
-
13. Give one effect of smoking to a pregnant mother.
-
14. Why does a freely suspended magnet rest in north-south direction?
-
15. State the importance of chewing food properly before swallowing it.
-
16. Mention the use of a proboscis to a male anophelis mosquito.
-
17. To which class of non-flowering plants does a plant that reproduces by means of coccoids belong?
-
18. Why should a biogas digester be buried under the ground?
-
19. State the reason why sand soil dries very fast.
-
20. Mention the use of a sponge in the process of bathing.
-
21. State the way heat loss by radiation is prevented in a vacuum flask.
-
22. Why do crop farmers harvest their crops in dry seasons?
-

The diagram below shows a farm tool. Study and use it to answer question 23.



23. Which type of castration involves the use of the above farm tool?
-
24. State one way people conserve minerals in the environment.
-
25. Name the food deficiency disease caused by lack of enough vitamin B₁₂ in the body.
-
26. Mention any one example of stem tubers.
-

27. Give one way friction helps a P.6 pupil to write on paper using a pen.

28. Why does a person who is running breathe faster than normal?

29. Mention any one material children use to make mats.

30. In which one way is the human brain important to the body?

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

32. How are canine teeth adapted to tearing food?

33. State one way of making water safe for drinking.

34. Give a reason why kidneys are grouped under excretory organs.

35. Name the type of intestinal worms that enters the body through bare feet.

The diagram below shows a fungus. Study and use it to answer questions 36.



36. How does the above fungus obtain its food?

37. Name the class of simple machines to which a bottle opener belongs.

38. Give a reason why a tourniquet is tied slightly above the bitten part when giving first aid for snake bites.

39. State one sign of dehydration in babies.

40. Give one way biogas is friendly to the environment.

SECTION .B. (60 MARKS)

41. (a) Mention two ways of demagnetizing magnets.

- (i) _____
(ii) _____

(b) Write two uses of electromagnets.

- (i) _____
(ii) _____

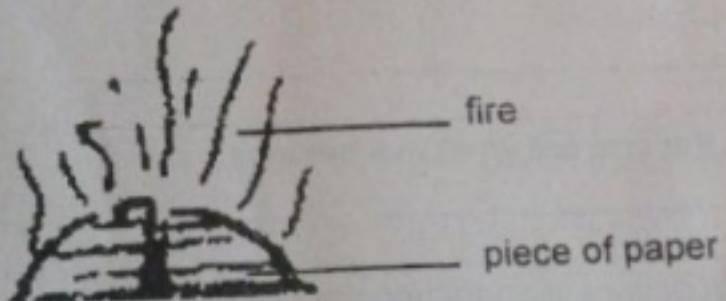
42. (a) Mention two characteristics of a VIP latrine.

- (i) _____
(ii) _____

(b) In which two ways can a home maintain a VIP latrine?

- (i) _____
(ii) _____

43. The diagram below shows a type of change taking place.



(a) Name the type of change in the above diagram.

(b) Mention two characteristics of the type of change you have named above.

- (i) _____
(ii) _____

(c) Write one other type of change in the environment.

44. (a) Mention two natural methods of family planning.

- (i) _____
(ii) _____

(b) State one way family planning is important to a mother.

- _____

(c) Give a reason why some parents produce many children.

- _____

45. (a) Mention two local breeds of goats kept in Uganda.

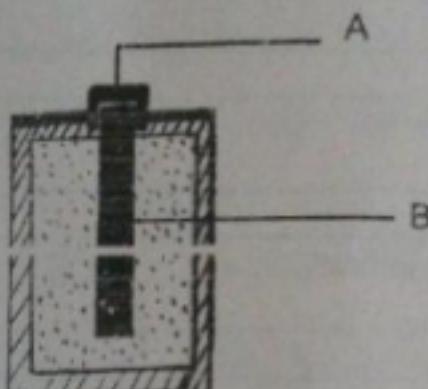
- (i) _____
(ii) _____

(b) State two products got from goats.

(i) _____

(ii) _____

46. The diagram below shows a cell used in production of electricity. Study and use it to answer question 46.



(a) Name the part marked:

(i) A _____

(ii) B _____

(b) To which type of cells does the one drawn above belongs?

(c) State the energy change that occurs in a working dry cell.

47. (a) What is nutrition?

(b) Why does a pregnant mother need to eat enough foods rich in;

(i) iron?

(ii) proteins?

(c) Give a reason **why** weaning babies should be given soft foods.

48. (a) State the way the following first aid tools are important;

(i) gloves

(ii) splints

(b) Give two reasons why first aid should be given to casualties.

- (i) _____
(ii) _____

49. (a) Mention two effects of heat loss on matter.

- (i) _____
(ii) _____

(b) Name the heat transfer in the following states of matter;

- (i) liquid state _____

- (ii) solid state _____

50. (a) Give two examples of natural changes in the environment.

- (i) _____
(ii) _____

(b) State two bad effects of natural changes in the environment.

- (i) _____
(ii) _____

51. (a) Write two ways in which disease vectors spread germs.

- (i) _____
(ii) _____

(b) Mention two examples of disease vectors that breed in water.

- (i) _____
(ii) _____

52. (a) State what happens to the following parts during inhalation;

- (i) ribcage _____

- (ii) diaphragm _____

- (b) How is oxygen useful in the body during respiration?

- (c) State one disorder of respiratory system in humans.

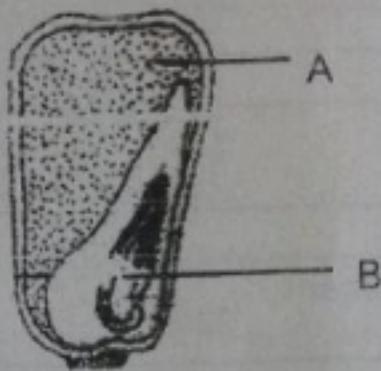
53. (a) Mention two examples of involuntary muscles.

- (i) _____
(ii) _____

(b) What happens to the following muscles when the arm is straightened;
(i) biceps?

(ii) triceps?

54. The diagram below show a maize grain. Study and use it to answer question 54.



(a) Name the parts marked;

(i) A _____

(ii) B _____

(b) State the function of part marked B.

(c) Which type of germination does the above fruit undergo?

55. (a) Mention two classes of arthropods.

(i) _____

(ii) _____

(b) Write two characteristics of arthropods.

(i) _____

(ii) _____

END