

HERM JUNIOR SCHOOL – MPIGI

**CONSOLIDATION EXAMINATION 2024**

INTEGRATED SCIENCE

Time allowed 2 hours 15 minutes

Pupil's Name:.....

Pupil's Signature:.....

School Name: .....

District Name.....

**Read the following instructions carefully:**

1. Do not forget to write your **school** or **district name** on the paper.
2. This paper has two sections: **A** and **B**. Section **A** has **40** questions and section **B** has **15** questions. The paper has **12** printed pages.
3. Answer **all** questions. **All** working for both sections **A** and **B** must be shown in the spaces provided.
4. **All** answers **must** be written using a **blue** or **black** ball point pen or ink. Any work written in pencil will **not** be marked.
5. Unnecessary **changes** in your work and handwriting that cannot be read easily may lead to **loss of marks**.
6. Do not fill anything in the table indicated: "**For Examiners' use only**" and boxes inside the question paper.

**Turn Over**

## Section A (40MARKS)

1. Name one characteristic that makes a tsetse fly able to spread germs.

.....

2. Identify one method of making temporary magnets.

.....

3. How is **VIP** latrine useful in the control of diarrhoeal diseases in the community?

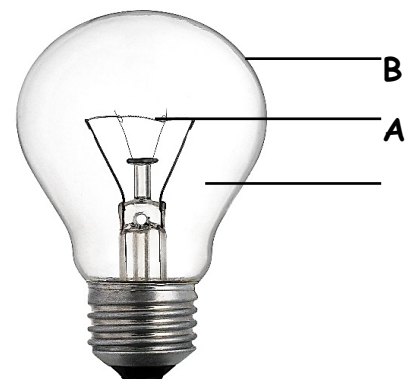
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4. Janat is a farmer who planted 400 bean seeds and only 20 seeds germinated. Calculate the seed viability percentage.

5. Name part marked B

.....



6. Why is part marked A coiled?

.....

7. What term refers to the keeping of our bodies clean?  
.....
8. Write down one method of extracting honey from honeycombs.  
.....
9. What is family planning?  
.....  
.....
10. Besides too much light, state any one other cause of fowl vices in the poultry house.  
.....
11. State any one effect of alcoholism to an individual.  
.....
12. Write down one method of applying fertilizers in the garden.  
.....
13. Each dry cell contains 1.5v, how many volts are in 6 dry cells?  
.....
14. Why do gases have spaced molecules than solids?  
.....  
.....
15. State one use of foliage leaves to onion plants.  
.....
16. To which group of arthropods to millipedes belong?  
.....
17. How does smoking affect human's teeth?  
.....

18. What is electricity?

.....  
.....

Study the diagram below and answer questions 19 and 20



19. To which group of musical instruments does the instrument below belong?

.....

20. State any other musical instrument belonging to the same group?

.....

21. Give a reason why breast milk is the best food for babies.

.....

22. Write any one energy resource got from minerals.

.....

23. Identify any one effect of heat gain on matter.

.....

24. Name any one example of a plant fibre.

.....

25. How is respiration important to in human bodies?

.....

26. Give any one method of improving on local breeds of pigs.

.....

27. State the reason why a coin may sink in water.

- .....
28. Identify the behavior of the body when vaccination is carried out.
- .....
29. What are non renewable resources?
- .....
- .....
30. Name one way of abusing drugs.
- .....
31. What structure reduces friction at a joint?
- .....
32. What is seed dispersal?
- .....
- .....
33. Outline one way of controlling common sicknesses at home.
- .....
34. Besides bone marrows, name any other place where blood cells are manufactured from.
- .....
35. How can echoes be prevented in cinema halls?
- .....
36. What do doctors do to restart a clinical thermometer before using it on another patient?
- .....
37. Give one disadvantages of treating water using fluoride.
- .....
38. What device measures the density of milk?
- .....
39. Write one example of a parasitic plant .

.....  
40. Name the enzyme that breaks down starch into dextrin.  
.....

Section B (60MARKS)

41. (a) What are detritivores?  
.....

.....  
(b) Outline two examples of detritivores?  
.....

.....  
(c) How are earthworms important in improving soil quality?  
.....

.....  
42. a) State the property of air enables a person to;  
(i) Fly a kite .....

(ii) Wear perfume .....

(b) Give any other **two** dangers of air to people.  
.....

.....  
43. a) Which type of honeybees are commonly seen around flowers?  
.....

.....  
b) Why is the above type of honeybees commonly seen around flowers?  
.....

.....  
c) How are the type of honeybees given in (a) above friendly to a crop farmer?  
.....

44. a) Give one situation that may make each of these parts fail to work when the switch is closed.
- i) dry cells .....
  - ii) bulb .....
- b) State the energy change that occurs in each of these parts of a complete circuit;
- i) bulb .....
  - ii) dry cell .....
45. Match the plant processes with their uses to the plant.
- | <b>Plant process</b> | <b>Use</b>                     |
|----------------------|--------------------------------|
| dispersal            | plants obtain food             |
| Photosynthesis       | plants are cooled              |
| Transpiration        | plants colonise new areas      |
| Pollination          | plants are helped to reproduce |
- a) Seed dispersal .....
  - b) Photosynthesis .....
  - c) Transpiration .....
  - d) Pollination .....
46. **Which crop growing practice is responsible for;**
- i) maintaining the plant population in the garden?  
.....
  - ii) reducing weight on a plant? .....
  - iii) helping in nitrogen fixation? .....
- b) What could be the danger of failing to weed a banana plantation ?  
.....
47. a) State **one** dairy exotic breed of goats besides sable goats.  
.....
- b) Give **one** advantage of rearing exotic breeds of goats.  
.....  
.....

c) Name any **two** activities farmers do to care for their goats.

.....  
.....

48. a) Identify the type of latrine with a screen.

.....

b) State the importance of the vent pipe on the above mentioned latrine.

.....

c) How is the above latrine an important element in controlling trachoma among children?

.....

.....

d) Why should a latrine be constructed at least 30 metres away from the water source?

.....

49. a) Mention **one** example of a plant that stores food in leaves.

.....

b) Apart from storing food, give **two** other uses of leaves to plants.

.....

.....

(c) How do most plants reproduce ?

.....

50(a) Write down **one**-way sound can be stored.

.....

b) Give **one** reason for storing sound.

.....

.....



c) Mention any **one** way stored sound can be reproduced.

.....

d) Why is sound grouped under forms of energy?

.....

51 a) Give two properties of air.

.....

.....

b) Which part of air is added to the atmosphere by starch making in plants?

.....

c) Name one disease that spreads through contaminated air.

.....

52 a) Give one use of magnets in radios.

.....

b) **Name the methods of making magnets described below;**

i) a magnetic material gaining magnetism through contact to a permanent magnet

.....

ii) a magnetic material gaining magnetism by placing it in a solenoid with direct current electricity

.....

c) Mention one way of keeping a permanent magnet stronger for long.

.....

53 (a) How can you conserve coal as an energy resource?

.....

.....

(b) Give any two ways coal is used as an energy resource.

.....

.....

.....  
(c) State the reason why non renewable energy resources should be conserved.  
.....

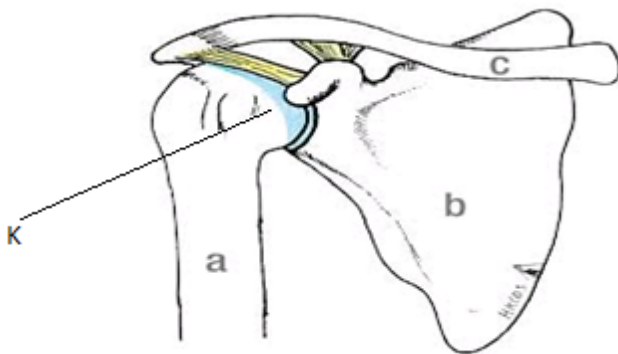
54 (a) What is primary health care?

.....  
.....

(b) Give any two principles of **PHC** apart from prevention is better than cure.  
.....  
.....

(c) Name one any one element that is promoted by taking pregnant mothers for antenatal care.  
.....

study the diagram below and answer the questions below



55. (a) Name the movable joint marked K.

.....  
(b) Write any one disorder of the bones  
.....

(c) Give any one habit done to promote the proper functioning of the bones.

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Mr. Kalule Noah Wishes You Success.