

P.7 HUB SET 7 TERM III 2023

INTEGRATED SCIENCE

Candidate's Name: _____

Stream: _____

Date: _____

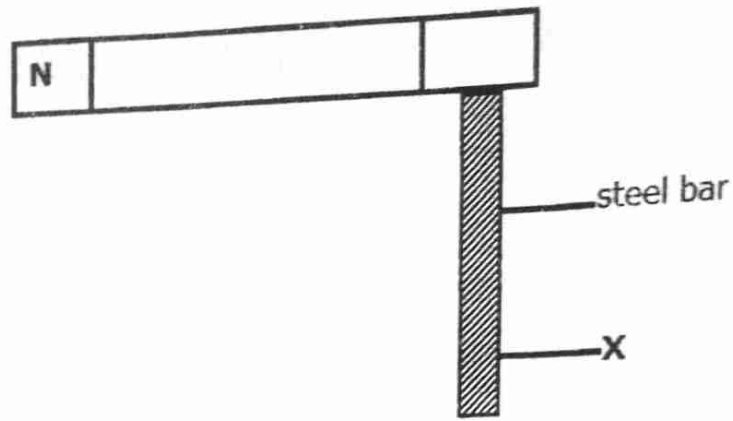
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SECTION A

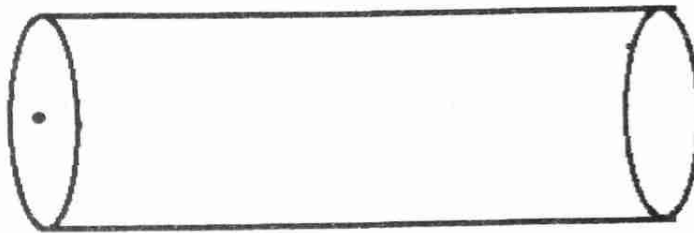
1. Name the organ in man which changes harmful chemicals into harmless ones.
.....
2. Name the immunisable disease immunized against using PCV.
.....
3. Why is a tadpole similar to a fish in terms of breathing?
.....
.....
4. What is common about the blood carried by the venacava and the pulmonary artery?
.....
.....
5. State one Primary sex characteristic that takes place in male and female adolescents.
.....
.....

Use the diagram below to answer questions **6** and **7** correctly .



6. What method of magnetization is shown in the diagram above?
.....
7. Name pole marked **X** after magnetization.
.....
8. What is the function of hydrochloric acid in food digestion?
.....
.....
9. What condition results into anaemia in humans?
.....
10. Why is the vulture an important bird in the environment?
.....
.....
11. How is heat transfer by radiation different from heat transfer by conduction?
.....
.....
12. How is a fuse able to perform its function in an electric circuit?
.....
.....
13. Where in the body of a mammal does union of gametes to form a zygote take place?
.....

Use the diagram below to answer question **14** and **15** correctly.



14. Draw to show formation of the image on the above optical item.
15. State any **one** similarity of the image formed by the above instrument and that of the human eye.

.....

.....

16. What class of food is best for growth and repair of worn out tissues of the body?

.....

17. Give the function of the sweat glands of the skin.

.....

18. Why does blood go to the lungs?

.....

.....

19. Give any **one** effect of crop pests.

.....

20. State **one** use of a child health chart to a school nurse.

.....

.....

21. What method of separating mixtures can be used to obtain salt from its solution?

.....

22. Give **one** way how the use of biogas promotes sanitation.

.....

23. Give **one** condition that causes fainting.

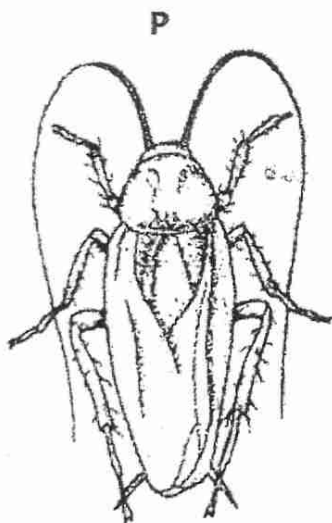
24. State any **one** effect of diseases to a poultry farmer.

25. Why is washing of fruits important in food hygiene?

26. Mention **one** reason why the lungs are considered as excretory organs.

27. Give any **one** natural process which results into increase in oxygen in the atmosphere.

The diagram below shows common vectors in latrines. Use it to answer question **28** and **29**.



28. Name the vector marked **P**.

29. Give any **one** way how the above vectors spread germs.

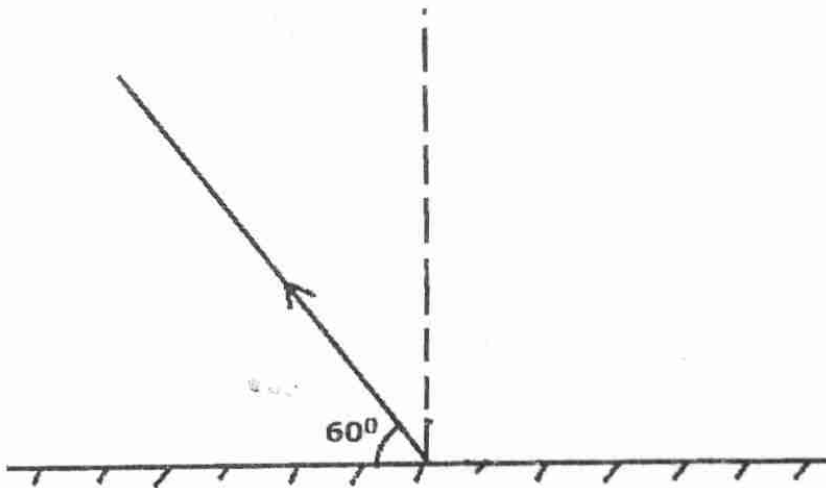
30. State the way how the ileum is adapted to its function.

31. How does a tendon differ from ligament?

32. State **one** danger of rats in our homes.

33. Why are thermos flask not common items in most rural homes?

34. Complete the diagram accurately to show the incident ray.



35. How does the use of a wheel barrow simplify work?

36. Mention any **one** disorder of the digestive system resulting from improper chewing of food.

37. How is the function of auditory nerves similar to that optic nerves of the eye?

38. State **one** advantage of wearing face masks in crowded places.

.....

.....

39. Why are sexual partners supposed to be treated together against gonorrhea?

.....

.....

40. Mention any **one** sign of a disease in cattle.

.....

SECTION B

41a) Give any **one** way leaves are useful to people.

.....

b) How is a plant leaf adapted to the process of photosynthesis?

.....

.....

c) In which part of the leaf does photosynthesis take place?

.....

d) Mention any **one** way photosynthesis is important to animals.

.....

42a) State any **two** factors that lead a person to alcoholism.

(i).....

(ii).....

b) Give **two** life skills a person has to have in order to manage the habit of alcoholism.

(i).....

(ii).....

43. Complete the table below correctly.

Vector	Germ	Disease(s)
Tsetsefly	Trypanosomiasis
.....	Schistosoma	Schistosomiasis
Housefly	Trachoma
Black fly	Onchocerca volvulus

44a) Name the coiled structures in the dermis that produce sweat.

.....

b) Give **one** way in which sweating is important in a human body.

.....

c) How does a sweater help to keep a person warm during cold days.

.....

.....

d) Name the communicable disease in humans that affect both the skin and skeletal system.

.....

45a) How does covering of food during cooking help to conserve wood fuel?

.....

.....

b) Give any **one** way in which the use of solar energy is good to our environment.

.....

.....

c) Why does a clay – made charcoal stove use less charcoal than a metallic one?
.....
.....

d) Mention any **one** natural resource found underground and is used as a fuel.
.....

46a) Which method of feeding babies helps to prevent pregnancy?
.....

b) State a reason why a person suffering from tuberculosis can be mistaken to have AIDs.
.....
.....

c) State any **two** dangers of early sex to school pupils.

(i).....

(ii).....

47a) How can waste tins and containers around our homes be of danger to our health?
.....
.....

b) Write down any **two** activities in a home done to destroy breeding and hiding places for vectors.

(i).....

(ii).....

c) How do treated mosquito nets help to control the spread of malaria in a home?
.....
.....

48a) What determine the floating and sinking of objects placed in water?
.....
.....

b) How does weight differ from mass of an object?

c) Mention any **one** type of force that pass-through wood without affecting it.

49. Give any **one** activity that can help to control the following in an ordinary pit latrine.

a) Housefly infestation

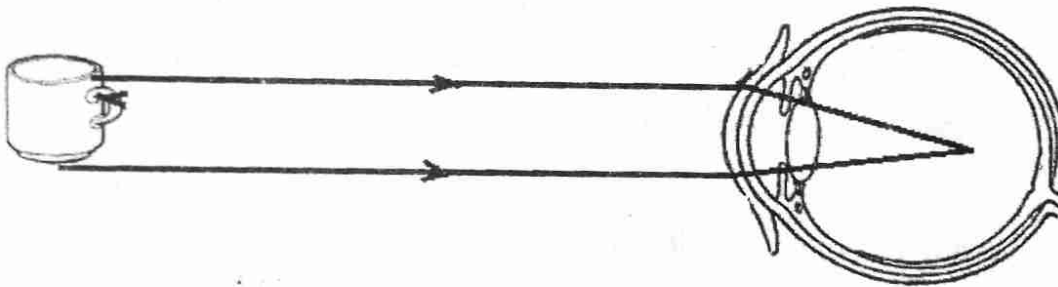
b) Bad smell

c) Write down any **two** indicators of poor sanitation in an area.

(i)

(ii)

50. Study the diagram below and use it to answer questions that follow.



a) Identify the eye defect labelled.

b) State **one** possible cause of eye defect in 50 (a)

c) Give the type of lens that can be used to correct the above eye defect.

d) State one way of caring for the eye.

51a) What is environmental degradation?

b) Give any **two** natural changes in the environment that cause lowering of its quality.

.....

c) State any **two** dangers of silting.

(i).....

(ii).....

52a) How does paddock grazing control ticks in cattle management?

.....

.....

b) List down any **two** farm animals that can be castrated.

(i).....

(ii).....

c) Give any **one** reason why it is important to keep records on a farm.

.....

.....

53a) Give **one** example of an essential drug.

.....

b) State **two** qualities of essential drugs.

(i).....

(ii).....

c) Mention **one** way how drugs are misused in our community.

.....

54a) Give any **two** factors considered when selecting clothes for soaking.

(i).....

(ii).....

b) Mention **two** advantages of soaking clothes before washing.

(i).....

(ii).....

55a) State any **one** value of trees planted around our homes.

.....

b) Why is it not recommended to share living houses with domestic animals?

.....

.....

c) Write down any **two** important factors one should consider when getting a site for house to live in

(i).....

(ii).....

THE END