

RAAYAT ISLAMIC PRIMARY SCHOOL



INTERNAL MOCK EXAMINATION 2023 PRIMARY SEVEN INTERGRATED SCIENCE

Time allowed: **2** hours **15** minutes

Index Number:

Random Number						Personal Number		

Candidate's Name: _____

Candidate's Signature: _____

School Random Number: _____

District ID Number: _____

Read and follow these instructions carefully:

1. This paper has two sections: **A** and **B**.
Section A has **40** questions and section B has **15** questions.
2. Answer all questions. **All** answers to both sections **A** and **B** must be shown in the spaces provided.
3. All answers must be written using a **blue** or **black** ball point pen or ink. Any work done in pencil other than on graphs and diagrams will not be marked.
4. No calculators are allowed in the examination room.
5. Unnecessary **changes** in your work and handwriting that cannot easily be read may lead to **loss of marks**.
6. Do not fill anything in the table indicated:
"FOR EXAMINERS' USE ONLY"

FOR EXAMINER'S USE ONLY		
QUESTION NUMBER	MARKS	EXAMINER'S INITIALS
1 – 10		
11 – 20		
21 – 30		
31 – 40		
41 – 43		
44 – 46		
47 – 49		
50 – 52		
53 – 55		

SECTION A (40mrks)

1. Name the sense organ which tells whether food has much salt.

2. What problem results after the eardrum has burst in the ear?

3. Why is forest conservation encouraged in Uganda?

4. How is a dust bin important at school?

5. Identify any one type of joint which allows movement in only one plane.

6. What first aid would you give to someone who has been burnt by a hot nail?

7. Give one practice that may control the spread of cholera in your school.

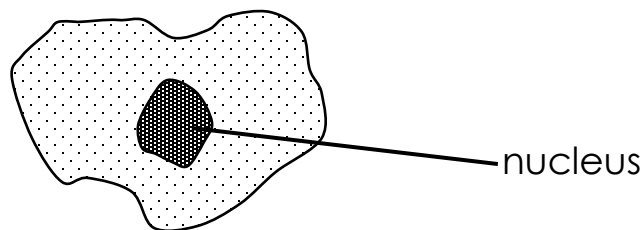
8. Mention one way in which soil is important to plants.

9. How does a cockroach and a rat differ in terms of breathing?

10. Give one way in which soil is important to plants.

11. Why is a wet cloth put on the body of a person with fever?

The diagram below shows a blood cell. Use it to answer questions 12 and 13.



12. What type of blood cell is drawn above?

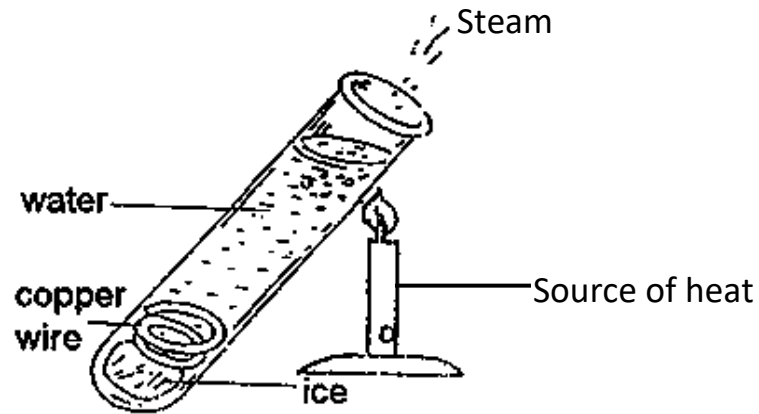
13. State the function of blood cell in (12) above.

14. State one property of floating objects.

15. State one similarity among the following vertebrates, birds, bats, and cats.

16. How can a primary seven pupil find the volume of an egg?

Study the experiment below and answer the questions that follow.



17. Why doesn't ice at the bottom of a test tube melt?

18. Identify any one method of controlling the internal parasites of cattle.

19. Which part of the digestive system is responsible for producing saliva?

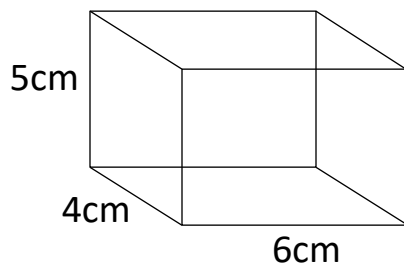
20. Besides bacteria, which other living organism help in the making of alcohol.

The diagram below is a bulb. Use it to answer questions that follow.



21. Name the type of roots marked S.

22. How useful is part marked K?
-
23. Why is distilled water not recommended for drinking?
-
24. Name the device used to guard against damage to appliances by too much electric current.
-
25. State one way in which a farmer can control crop diseases without using chemicals.
-
26. Why should a child suffering from Kwashiorkor be given food rich in proteins?
-
27. What is diffusion?
-
28. What type of soil allows water to go through it easily?
-
29. To which group of machines is a winding uphill?
-
30. The diagram below shows a chalk box. Find its volume.



Study the animals given in List K and those in M. use them to answer question 31.

K

M

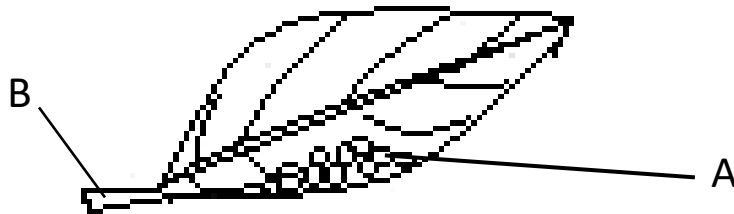
Fish, Bird, Frog

Man, Whale, Bat

31. How are animals in list K similar to those in list M?
-
32. Why do electricians wear rubber gloves when handling electricity?
-
33. In terms of machines, how is a hammer similar to human arm?
-

34. What should be done to clinical thermometer before taking the temperature of a person?
-
35. How does a vent help to reduce smell in a VIP latrine?
-

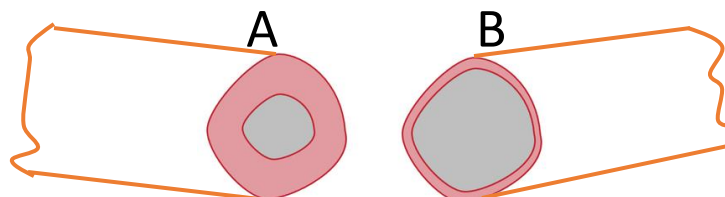
Study the diagram below.



36. What is part marked B?
-
37. Give one function of part A.
-
38. What is ECOSAN in full?
-
39. The part of the skeletal system that protects the brain.
-
40. How is heat transfer by radiation helpful to a crop farmer?
-

SECTION B (60mrks)

41. What is soil?
-
- b) State two factors which affect weathering.
-
- c) Why is loam soil the best for agriculture?
-
42. Study the diagrams below and answer the questions about them.



a) State the difference in blood transported by blood vessel A and blood vessel B.

b) Why is blood vessel A thick walled?

c) Name the structures in blood vessel **B** which prevent the back flow of blood.

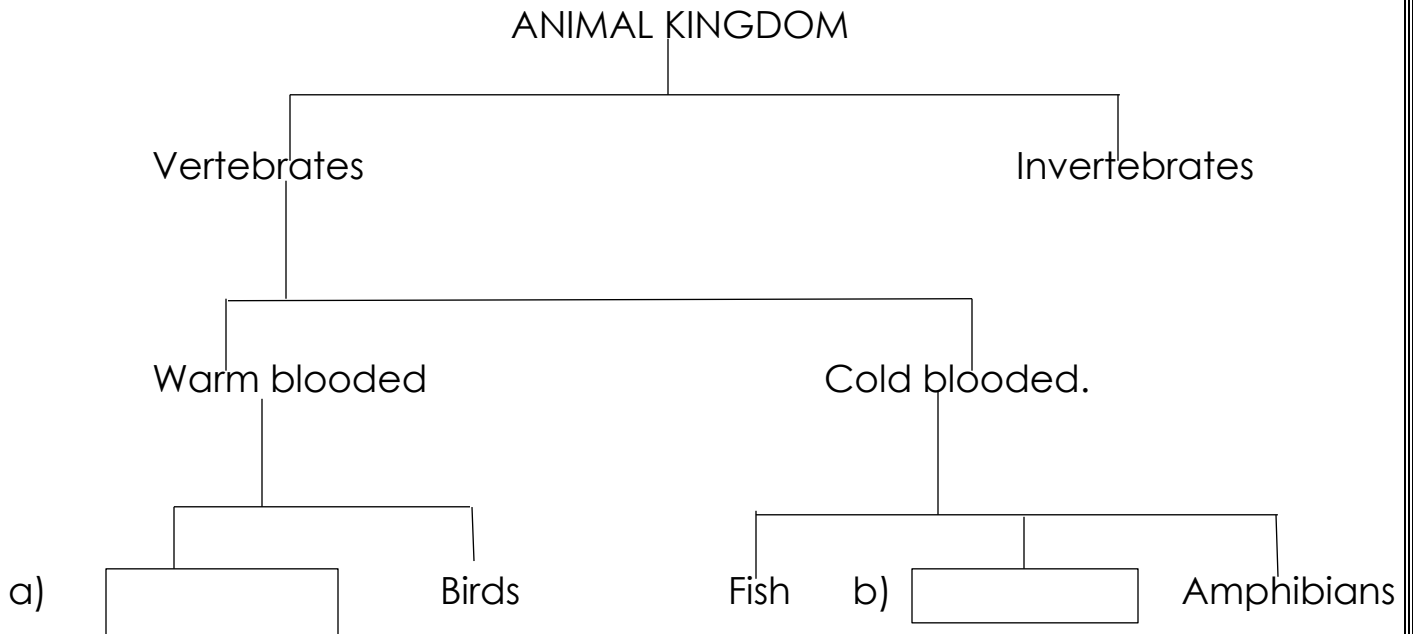
d) Identify one way of keeping the circulatory system in a good working condition.

43. What are infectious diseases?

b) State two examples of infectious diseases.

c) Identify one way how infectious diseases can be prevented and controlled.

44. Complete the classification ladder below by filling the blank boxes.



c) Name the arthropod which reproduce by giving birth to live young ones.

d) Why is a baboon classified as a primate?

45. Define refraction of light.

b) How is a shadow formed?

c) Identify one characteristic of images formed by a pin hole camera.

d) How can short sightedness be corrected?

46. State one similarity between chemical and biological changes.

b) Write one effect of natural changes in the environment.

c) Identify any one chemical change which takes place in the human body.

d) How is burning similar to rusting?

47. Identify one effect of ill health in sheep.

b) Why is it difficult to castrate a boar?

c) Mention one disease which attack pigs.

d) Mention any one breed of pigs.

48. What is a food chain?

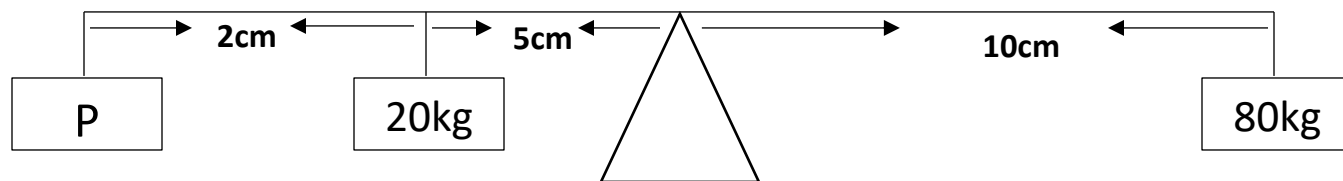
b) Use the list below to form a food chain.

Lizards, fungi, sun, hawk, leaves, grasshopper

c) What do arrows represent in a food chain?

d) What happens to grasshoppers when the leaves dry?

49. Find the value of P in the diagram below.



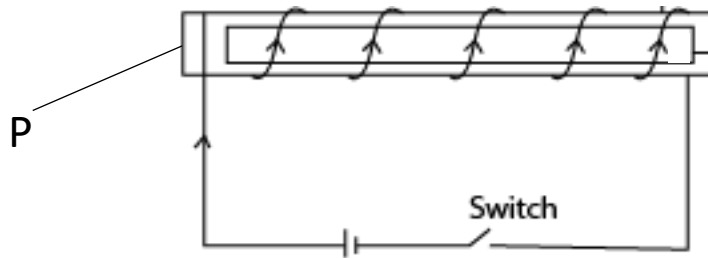
b) Why is the efficiency of a machine always less than 100%?

c) State any one use of friction in daily life.

50. Complete the table below.

VACCINE	DIESEASE	SITE	AGE
_____	Tuberculosis	Right upper arm	At birth
Measles vaccine	Measles	_____	_____
_____	Diphtheria	Left upper thigh	6wks, 10wks, 14wks

51. Study the diagram below carefully and use it to answer questions about it.



a) Identify the method of magnetization shown above.

b) Name the pole marked P.

c) Mention one device that uses the magnet made by the method mentioned in "a" above.

d) Name the principle on which electro magnets work.

52. Match items in list A with those in List B correctly.

A

B

Tsetse fly

chlamydia

Water snail

bilharzia fluke

Housefly

trypanosome

Female anopheles

Plasmodium

Tsetse fly _____

Water snail _____

Housefly _____

Female anopheles _____

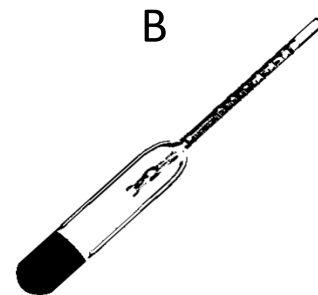
53. An object has the density of 2g/cc.

a) What happens to such an object when put into water?

b) Give two examples of such objects.

c) Why does the above object behave as in "a" above?

54. Use the diagrams below to answer question that follow.



a) Name the instruments named A and B as used in dairy farm management.

A _____

B _____

b) State the function of A and B.

A _____

B _____

55. Name the female reproductive cell in mammals.

b) What will be the result if the above mentioned cell unites with a sperm cell?

c) Which method of family planning can help one to control the spread of STDs.

d) Write down one disorder of human reproductive system.
