

# **RAPHA EXAMINATIONS BOARD**

## **P.7 EXAMINATIONS 2024**

### **PRE-MOCK SET 3**

*Email: raphaexaminationsboard@gmail.com*

#### **INTEGRATED SCIENCE**

***Time allowed: 2 hours 30 minutes***

Random No.						Personal No.		

**Candidate's Name:** .....

**Candidate's Signature:** .....

**District Name:** .....

#### **Read the following instructions carefully:**

1. The paper has two sections: A and B.
2. Section A has 40 questions (40 marks)
3. Section B has 12 questions (60 marks)
4. Answer all questions. All answers to both Sections A and B must be written in the spaces provided.
5. All answers must be written using a blue or black ball point pen or ink. Diagrams should be drawn in pencil.
6. Unnecessary changes in your work may lead to loss of marks.
7. Any handwriting that cannot be easily read may lead to loss of marks.
8. Do not fill anything in the table indicated:  
  
"For Examiner's use only" and boxes inside the question paper.

FOR EXAMINERS' USE ONLY		
Qn. No	MARKS	EXR'S. No.
1 – 10		
11 – 20		
21 – 30		
31 – 40		
41 – 43		
44 – 46		
47 – 49		
50 – 52		
53 – 55		
TOTAL		

**Turn Over**

## **SECTION A**

### **QUESTIONS 1 – 40 CARRY ONE MARK EACH**

1. Identify any one method of controlling the internal parasites in cattle.

.....

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

.....

3. Besides bacteria, which other living organisms help in the making of alcohol?

.....

4. What is the importance of the jelly covering the egg of the frog?

.....

5. State the energy change that takes place in a dry cell when the circuit is complete.

.....

6. Write any one energy resource got from animals.

.....

7. Mention one activity in a community that is done to control spread of measles.

.....

8. Give one example of a constrictor.

.....

9. State one characteristic of clay soil.

.....

10. How does breast feeding protect the newly born baby against diarrhoea diseases?

.....

11. Why should people spread out their beddings regularly in the sunshine?

.....

12. How is the catching of young fish a danger to the environment?

.....

13. A tongue is a sense for taste. Mention one taste.

.....

14. Explain how deforestation can affect the production of hydroelectricity.

.....

15. To which group of food crops does rice belong?

.....

16. What waste product is excreted through the human skin?

.....

17. In which chamber does oxygenated enter the heart?

.....

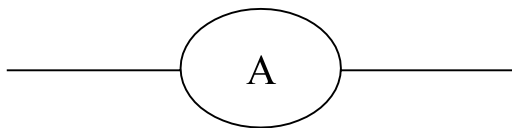
18. How can meat be preserved for a long time in rural area?

.....

19. Apart from a tick, name any one other cattle pest in a livestock farm.

.....

20. Use the diagram below to answer question 6.



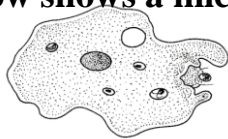
Name the electrical symbol shown.

.....

21. How is marasmus different from kwashiorkor?

.....

**The diagram below shows a microscopic organism. Use it to answer question 8.**



22. Name the disease caused by the germ shown in human.

.....

23. Identity one disease in pigs which is caused by protozoa.

.....

24. Give one use of plants in the water cycle.

.....

25. To which group of simple machines does an axe belong?

.....

26.State any one physical change which occurs in female adolescents but does not occur in the male ones.

27.When John looked into the plane mirror, he saw his face at the back of the mirror.  
How did his face get into the back of the mirror?

28.Apart from contour ploughing, strip cropping and mulching, give one other practice which is useful for soil conservation on a hilly ground.

29.Write in full ECOSAN.

30.How does a cassava plant obtain its food when its leaves have fallen off?

31.Why does the community need health education on immunisation?

32.State one way in which a spider is similar to a cockroach.

33.What is the immediate result of fertilization in both plants and animals?

34.Why would animals in paddock system not easily be attacked by East coast fever?

35.Give a reason why a farmer should dig and plough the soil before planting the seeds?

36.What type of change occurs to an egg which has been in boiling water for more than ten minutes?

37.Metals are usually painted to prevent them from rusting. How does this process help in stopping the metal from rusting?

38.If your friend accidentally pours hot milk on his/her hand, what first aid would you give to him/her?

.....

39.Name the type of force that reduces the efficiency of a machine.

.....

40. In the space below draw a typical compound leaf ( **don't label**)

## SECTION B

41.(a) What is the meaning of the term hard water?

.....

(b) Give any one example of hard water.

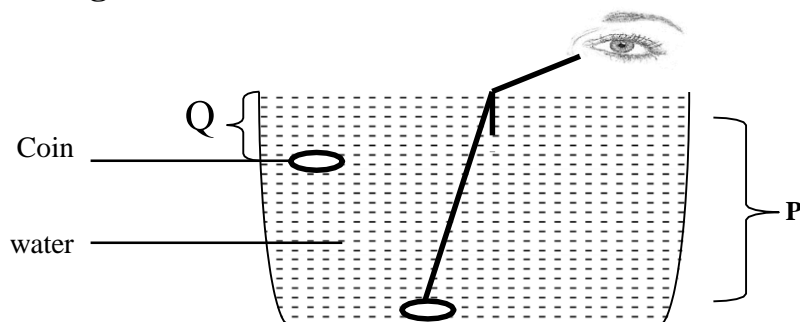
.....

(c) State any two methods in which hard water can be made soft water for washing.

i. ....

ii. ....

**42.A coin was dropped in a basin full of water and the following was observed as in the diagram.**



(a)What does the diagram show about light?

.....

(a) Name parts marked Q and P.

Q.....

P. ....

(b) State any one effect of refraction in our daily life.

.....

43. Give a reason why our homes should have the following items.

(a) A rake

.....

(b) A latrine

.....

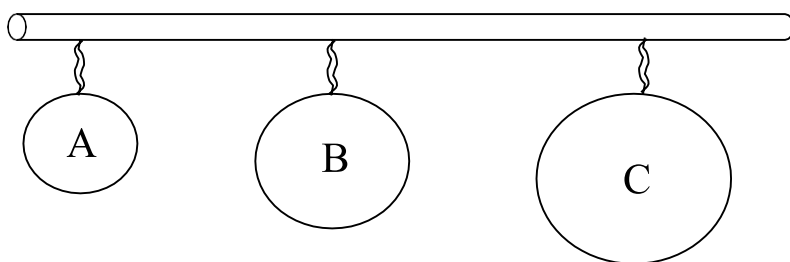
(c) A rubbish pit

.....

(d) Mosquito nets

.....

**44. The diagram below shows three metallic rings A, B, C.**



(a) Which ring will produce;

i. sound of a lowest pitch?

.....

ii. sound of a highest pitch?

.....

(b) How can sound be written and read?

.....

(c) How are the vocal cords useful in sound production?

.....

**45. Study the list of animals below and use it to answer the questions that follow. Gecko, Chameleon, Pelican, Newts.**

(a) Which of the above animals has different mode of fertilization?

.....

(b) Identify the warm-blooded animal from the list.

.....

(c) Give the similarity between the chameleon and gecko.

.....

(d) Which group of birds does a pelican belong?

.....

46. Arrange the following processes in their order of happening.

(a) The plumule grows

(b) The seeds swell

(c) Radicle emerges

(d) The seeds take in air and moisture

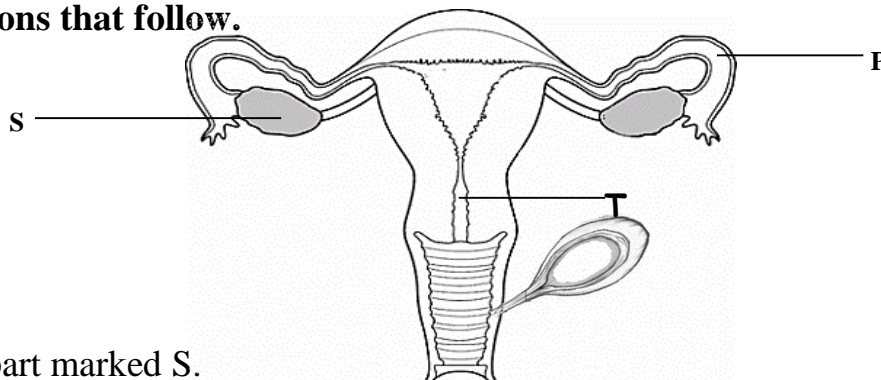
(a) .....

(b) .....

(c) .....

(d) .....

**47. The diagram below shows the female reproductive system, study it and answer the questions that follow.**



(a) Name the part marked S.

.....

(b) Where does implantation take place? .....

(c) What type of pregnancy occurs in part P?

.....

(d) State one disorder that results in the types of pregnancy mentioned in (c) above.

48. State any two activities carried out by the science clubs at your school.

i. ....

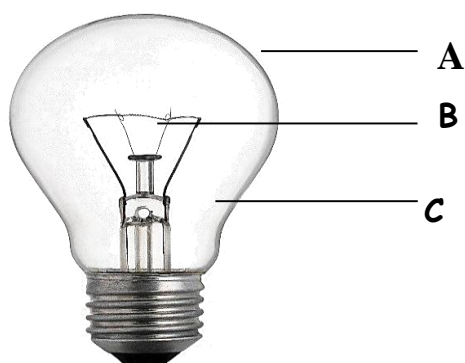
ii. ....

(b) Give any two reasons why members of the young farmers association at your school should keep farm records.

i. ....

ii. ....

**49. The diagram below is of an electric bulb. Use it to answer the questions that follow.**



(a) Name the part labeled A.

.....

(b) Why is part marked with letter A coiled?

.....

(c) What is the use of organ gas in part marked C?

.....

(d) What energy change takes place when an electric bulb is in use?

.....

**50. Match the following words correctly with their**

**meanings: List A    List B**

Soil profile                      Natural arrangement of soil particles.

Soil structure                      Natural vertical arrangement of soil layers.

Soil erosion                      Draining of soil nutrients from top to bottom.

Soil leaching                      Transfer of top soil from one place to another.



- (a) Soil profile.....
- (b) Soil structure.....
- (c) Soil erosion.....
- (d) Soil leaching.....

51. **State the role of the following** organism in a food chain cycle.

- (a) Green plants  
.....
- (b) A goat  
.....
- (c) A pit  
.....
- (d) Bacteria  
.....

52. (a) Show with arrows the direction of lines in a magnet.



(b) Name the three ways of demagnetizing the above bar magnet.

- i.....
- ii.....
- iii.....

53.) Give one pest that affects the crops below:

- i. Maize.....
- ii. Coffee.....
- iii. Banana.....

(b) Besides food and income, give one other use of bananas to man.  
.....

54.(a) Give two agents of pollination.

- i. ....
- ii. ....

(b) How is the stamen of the flower important to the plant?

.....

(c) How does a pawpaw plant avoid self-pollination?

.....

55.(a) Name the type of skeleton possessed by each organism below:

- i. Frog.....
- ii. Amoeba.....

(b) Which part of the human skeleton protects the spinal cord?

.....

(c) How are muscles useful to the human skeleton?

.....

**END**