LUGAZI DIOCESE MOCK EXAMINATION 2023

PRIMARY SEVEN INTERGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Index No.

Candidate's Name: .....

Candidate's Signature: .....

School Name: .....

Do not open this booklet until you are told to do so.

Read the following instruction carefully:

1. This paper has two Sections A and B
2. Section **A** has **40** short questions (40 marks)
3. Section **B** has **15** questions (60 marks)
4. Answer **All** questions. All answers to both Sections **A** and **B** must be written in spaces provided.
5. All answers must be clearly written using blue ball point Pen or ink. Only diagrams should be drawn in pencils.
6. Unnecessary changes of work may lead to loss of marks.
7. Do not fill in the boxes indicated **"For examiner's use only"**

FOR EXAMINER'S USE ONLY		
Qn. No	MARKS	SIGN
11-20		
21-30		
31-40		
41-50		
51		
52		
53		
54		
55		
TOTAL		

Turn over

SECTION A (40 Marks)

1. Name the body organ used for tasting.

2. How is a seed different from a fruit?

3. Why do we see the flash of lightening before we hear the sound of thunder during rain storms?

4. State one advantage of family planning.

5. Apart from getting sunlight, why else do plants with weak stems climb others?

6. What substance in your nasal cavity helps to trap dust?

7. Mention the poisonous chemical that can cause cancer to tobacco smokers.

8. State one characteristics of an essential drugs.

9. How does crop rotation reduce the multiplication of diseases and pests in a crop garden?

10. Give any one example of a non-renewable energy resource.

11. In which way is the stigma adapted to its function?.

12. Why does a farmer cut off leaves of a banana sucker before planting?

13. How is the reproduction in a whale different from that of a fish?

14. Name one disease that affects the stomach because of alcoholism.

15. Which method of harvesting trees allows new shoots to grow from the stump?

16. Which disease is spread to humans by rats?

17. Give one way which a single fixed pulley is used in a school.

18. Which type of soil holds water for a long time?

19. How are teeth important in the process of digestion?

20. Name the blood vessel that transports oxygenated blood from the lungs to the heart.

21. State any one way in which sweating is important to the human body.

22. Name the class of food used when steaming up pregnant animals on the farm.

23. Give any one way in which the spread of leprosy can be controlled.

24. State any one advantage of immunizing children.

25. Give any one way in which plants benefit from animals.

26. Mention the characteristic which makes a spider not to be grouped under insects.

27. Identify one example of a magnetic substance.

28. Why are people encouraged not to drink unboiled water?

Use the diagram below to answer question 29

29. What is the importance of the structure marked M in the above diagram of the blood vessel?

30. In which part of a human body are red blood cells made?

31. What does the term resource mean?

32. Name any one cold blooded vertebrate which has a body shell.

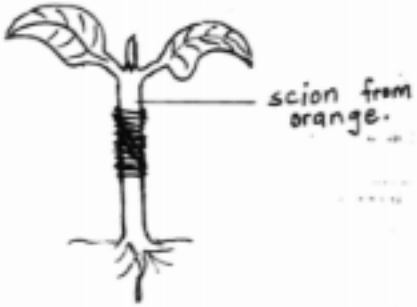
33. What health condition can be treated using O.R.S?

34. **The diagram below shows a musical instrument. Study the diagram and answer questions about it.**

How can the instrument above be made to produce sound?

35. Name the type of bees that develops from un fertilized eggs.

36. **The diagram shows a method of plant propagation.**



Name the method of plant propagation shown above.

37. In which state of matter does heat travel slowest?

38. Name one other disease caused by fungi to human apart from ring worm.

39. State any one chemical method used to control the spread of malaria.

40. State the property of air that enables a child to fly a kite.

SECTION B

41. **a) What is food poisoning?**

b) State any two ways one can tell that one had food poisoning.

(i)

(ii)

c) Mention any one way to avoid food poisoning at home.

42. **a) Write any two processes by which soil is formed.**

(i)

(ii)

b) Identify any one living organism that is part of the soil.

c) Identify any one way of conserving soil.

43. Match the body organs in A with the functions in B correctly.

BODY ORGAN	FUNCTION
Heart	It stores food
Kidney	It changes poisonous substances into non-poisonous form
Liver	It pumps blood to all body parts
Stomach	It filters blood in the body

1) Heart: _____

2) Kidney: _____

3) Liver: _____

4) Stomach: _____

44. State the importance of each features to a bird during flight

(i) Streamlined bones: _____

_____

(ii) Hollow bones: _____

_____

b) Suggest any two ways birds are different from fish.

_____

45. **Study the diagram below of an underground stem and use it to answer the questions that follow.**

a) Name the parts marked X and Z.

X: _____

Z: _____

b) To which group of underground stem does the plant above belong?

_____

c) How is the plant above propagated?

_____

46. What is respiration? _____

_____

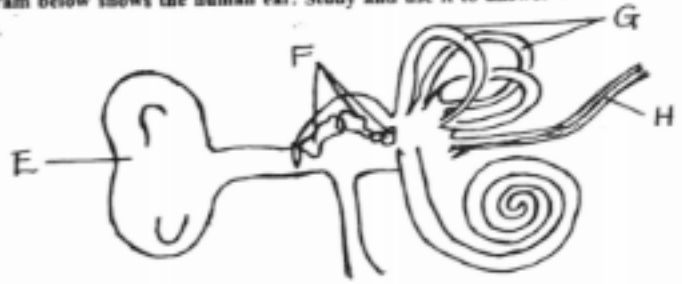
b) Mention any two raw materials used by the human body for respiration.

_____

c) How do plants make use of the gas produced during respiration?

_____

47. **The diagram below shows the human ear. Study and use it to answer the following questions.**



a) Name the parts marked E and F.

E: _____

F: _____

b) Give the function of part marked G.

_____

c) Suggest any one way of caring for the human ear.

_____

48. State any two uses of friction at school.

(i) _____

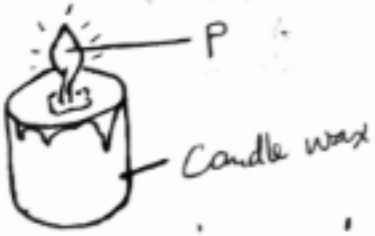
(ii) _____

b) Identify any two forms of energy produced due to friction.

(i) _____

(ii) _____

49. **Study the diagram of a burning candle wax below. Use it to answer the questions that follow.**



a) **Name the part marked P.**

_____

b) **What type of change takes place as the above candle melts?**

_____

c) **State what would happen to part P when a container is used to cover the candle above.**

_____

d) **Give the reason for your answer in (C) above.**

_____

50. a) Name the disease in rabbits whose signs are;- itching ears, ears bent down wards and wounds.

b) State any two ways of controlling the above disease in rabbits.

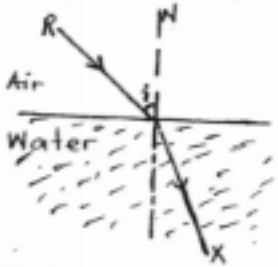
(i) _____

(ii) _____

c) Mention one common disease in both rabbits and poultry.

_____

51. **Study the diagram about light below and use it to answer the following questions.**



a) Name the light ray marked R.

_____

_____

b) Why does light ray X bend towards the normal ray (N)?

_____

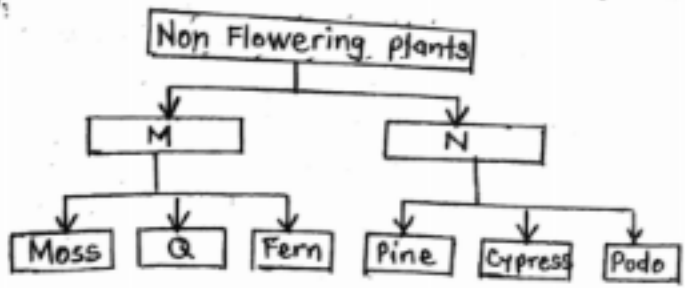
c) Name angle ∠i

_____

d) What name is given to light ray marked X?

_____

52. **Study the table about non flowering plants below and use it to answer the questions that follow.**



a) Name the group of non-flowering plants shown in N.

_____

b) Mention any other example of non-flowering plant that can be put in part marked Q.

_____

c) State any one way in which plant mentioned in (b) above is similar to pine in group N.

_____

d) Mention any one organization in the environment that reproduces in the same way as plants in group M.

_____

3. a) Give any two ways in which drug dependency can affect an individual.

(i) _____

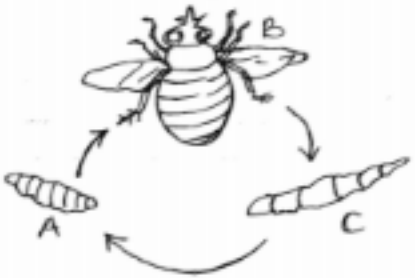
(ii) _____

b) State any two advice you can give an individual to avoid drug dependency.

(i) _____

(ii) _____

4. **The diagram below shows the life cycle of a vector. Study if and answer the questions that follow.**



a) Name the vector whose life cycle is shown above.

_____

b) Name the stage marked C

_____

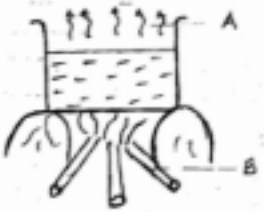
c) What does stage B feed on?

_____

d) Identify any one disease spread by the vector above.

_____

55. **The diagram below shows some activities done at home. Study it and answer questions that follow.**



a) Name the process taking place at A.

_____

b) State one way in which the type of change at A can be helpful in the environment.

_____

c) Identify any one way in which use of fuel B can be harmful to the environment.

_____

d) Suggest any one way of conserving fuel marked B.

_____

— Good Luck —