

MWALIMU EXAMINATIONS BUREAU

PLE RESOURCE PRE-MOCK EXAMINATIONS – 2022

P.7 INTEGRATED SCIENCE

Time allowed: 2 hours 15 minutes

Index No:

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Candidate's Name:

Candidate's Signature:

School Name:

District:

Read the following instructions 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 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 of 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 boxes indicated for examiner's use only.

FOR EXAMINER'S USE ONLY

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Qn. No	MARKS	SIGN
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

SECTION (40 MARKS)

1. Mention one weather element that involves use of an umbrella

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.....

2. Name the class of food digested in the mouth.

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.....

3. How are birds similar to mammals in terms of their reproduction?

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.....

4. State one use of muscles in the human body.

.....

.....

The diagram below shows components of blood. Use it to answer questions 5 and 6



5. Name the disease that can destroy blood component **P**.

.....

.....

6. State one functional difference between blood component **P** and **Q**.

.....

7. Which part of germinating seed is used to make food for the young plant?

.....

.....

8. Suggest one way how a farmer can reduce boredom in a poultry house.

.....

.....

9. Name one musical instrument whose pitch can be determined by tension of the string.

.....

.....
10. State the property of magnets demonstrated by two magnets repelling each other.

.....
.....
11. Give one way of controlling rats in a garden without using chemicals.

.....
.....
12. Why do objects weigh less on the moon than on earth?

.....
.....
13. How does a thermos flask help to maintain temperature of food?

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.....
14. What is the importance of storing food in clean containers?

.....
.....
15. Give one reason for ironing a handkerchief which is slightly wet.

.....
.....
The diagram shows a safety device to a building. Use it to answer question 16 and 17



16. Name the device labeled **R**

.....
17. State the importance of putting device **R** on top of school buildings.

18. Give one reason why people suffering from malaria should be given plenty of fluids.

.....
.....

19. How similar is a fern to a moss plant?

.....
.....

20. State one characteristic of second class levers.

.....

21. Which element of PHC involves sharing of information?

.....
.....

22. How useful are egrets to cattle keepers?

.....
.....

23. Identify one natural process that uses carbon dioxide.

.....
.....

24. Give one way of preparing cassava for food.

.....
.....

Below is a tooth found in the mouth. Use it to answer questions 25 and 26



25. How is the tooth above able to carry out its function?

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.....

26. How can school children prevent the tooth above from dental caries?

.....
.....

27. What happens to the diaphragm when air is removed from lungs?

.....
.....

28. Mr. Odongo lives with his wife, four children and his cousins. What type of family does he have?

.....
.....

29. Write down one example of a luminous source of light.

.....
.....

30. State one reason why milk sellers hate bacteria

.....
.....

31. State one health habit done by people before making ORS.

.....
.....

32. Name the part on a VIP latrine that uses convection currents to function.

.....
.....

33. How useful is surgical spirit to a person giving First Aid?

.....
.....

34. State the disease vector that uses its hairy body to spread germs in people.

.....
.....

The diagram below is a component of the environment. Use it to answer questions 35 and 36.



35. Write down one natural change managed by the component of the environment above.

.....
.....

36. Apart from using the component above, in which other way can one manage natural changes in the environment.

.....
.....

37. Give one way how one can care for a goat.

.....
.....

38. How can one improve clay soil for crop growing?

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.....

39. State the type of accident associated with taking a dangerous chemical in the body.

.....
.....

40. Mention one danger of playing sex to a primary school girl.

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.....

SECTION B (60 MARKS)

41. (a) Give the use of the following garden tools

(i) Tape measure

.....
.....

(ii) Knap sack sprayer

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.....

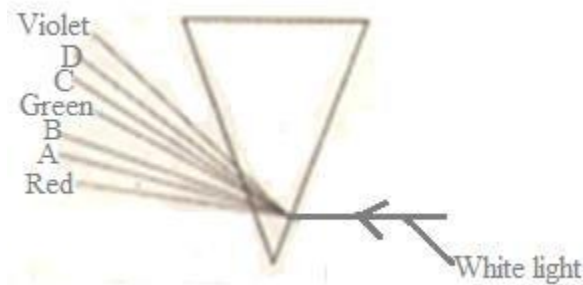
(b) Give one disadvantage of spraying crops using pesticides.

.....
.....

(c) Why do crop farmers care for garden tools?

.....
.....

42. The diagram below shows the dispersion of light through a glass prism. Use the diagram to write the name of the colour band represented by the letters.



- (i) A.....
(ii) B.....
(iii) C.....
(iv) D.....

43. (a) A part from free range system, name one other system of keeping poultry.

.....

- (b) Give two advantages of free range system of keeping poultry.

.....
.....

- (c) How can a farmer control vices in a deep litter system?

.....
.....

44. State any two ways how each of the following is used as an energy resource

- (a) Water

.....
.....

- (b) Wind

.....
.....

45. Match the digestive enzyme in A with the part of the alimentary canal in B

A	B
Lipase	Ileum
Ptyalin	Mouth
Pepsin	Stomach
Sucrose	Duodenum

- (i) Lipase
- (ii) Ptyalin.....
- (iii)Pepsin.....
- (iv)Sucrase.....

46. (a) Write down one health activity done by family members to prevent its members from deficiency diseases.

.....

.....

(b) Give any **two** roles school children can play to prevent deficiency diseases at home.

.....

.....

(c) Which deficiency disease is prevented by eating food rich in iron?

.....

.....

47. The diagram below shows the examples of organisms in the animal kingdom. Use them to answer questions that follow



(a) Write down the class of animals represented by the organism in **X** and **Y**.

.....

.....

(b) In which way is animal **X** different from **Y**?

.....

.....

(c) How is the presence of animal Q at home harmful to human health?

.....

48. (a) Name the kidney disease one can easily get through sexual intercourse.

.....

(b) Mention one waste product removed by the kidney from the human body.

.....

(c) Suggest any two ways how a family can prevent its members from kidney diseases.

.....

49. The table below shows cattle diseases, the body part they affect and the germ that causes them. Study the table and complete it correctly

Disease	Body part	Germ
(i) Tuberculosis	Bacteria
(ii)	Udder	Bacteria
(iii) Foot and mouth	Foot
(iv) Nagana	Liver

50. (a) Apart from killing germs, state another reason for ironing clothes.

.....

(b) State the importance of each of the following as used in cleaning of clothes.

(i) Sorting

.....

(ii) Soaking

.....

(iii) Writing

.....
.....

51. The diagram below shows an example of fungi. Study it carefully to answer questions that follow.



(a) Name the fungus shown above.

.....

(b) How does the fungus above reproduce?

.....

.....

(c) Mention any **two** activities at home that use the fungus above.

.....

.....

52. (a) State **two** diseases associated with poor water supply can be solved in a community

.....

.....

(b) Suggest **two** ways how the problem of poor water supply can be solved in a community.

.....

.....

53. (a) What is adolescence?

.....

.....

(b) State one primary sex characteristic in;

(i) Girls

.....
.....

(ii) Boys

.....
.....

(c) How can a school help boys and girls to manage body changes?

.....
.....

54. (a) Give **two** ways how trees can help to control soil erosion in the environment.

.....
.....

(b) Suggest two ways how crops can benefit from trees.

.....
.....

55. (a) Give **two** reasons why seeds should be dispersed in the environment.

.....
.....

(b) State **two** characteristics of seeds dispersed by wind.

.....
.....

End