AITEL EXAMINATION

SET 1 2023

INTERGRATED SCIENCE FOR P.6

Time allowed: 2hours 15 minutes

Name: ……

Stream : ……

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 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 alteration of work may lead to loss of marks.
7. Any handwriting that cannot easily be read may lead to loss of marks.
8. Do not fill anything in the boxes. They are for examiners' use.

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

SECTION A (40 MARKS)

1. Name any one component of a clean home.

_____

2. Which part of a plant helps in photosynthesis?

_____

3. Why is it a good practice for parents to take their children for immunisation?

_____

4. Apart from carbohydrates, name any other class of food that gives the body energy.

_____

5. Name the component of blood affected by the sickle cell disease.

_____

6. Why do farmer carryout de-beaking in a poultry farmer?

_____

7. Name the group of birds to which a crested crane belongs?

_____

8. Mention any one way of controlling accidents at home.

_____

9. Which element of PHC helps to prevent bad smell on ones body?

_____

10. How can a farmer prevent rusting of his garden tools?

_____

11. How is sheep rearing useful to textile industry?

_____

The diagram below shows a mode of reproduction of a certain organism. Use it to answer question 12.



12. Identify the fungus that reproduces as shown above.

_____

13. Mention one way of preventing diseases without using medicine/drugs.

_____

14. What is the function of the endosperm of a maize grain?

_____

15. State the recommended age for weaning babies by mothers.

_____

16. Mention any one example of an invertebrate.

_____

17. How does sun-drying help in preserving food stuffs?

_____

18. Name one root tuber crop propagated by using seeds apart from carrots.

_____

19. How do people kill germs in water before drinking it?

_____

20. Apart from the egg stage, at what other stage of development is a housefly not active?

_____

21. How do people protect themselves from rainy weather?

_____

22. State one way through which a child gets natural immunity.

_____

23. Name the process by which a liquid turns into ice.

_____

24. Name one way of controlling soil erosion in a school garden.

_____

Below is a musical instrument. Study it and answer questions about it correctly.



25. To which group of instruments does the above belong?

_____

26. Identify any one condition that favours the multiplication of bacteria.

_____

27. What determines the sinking or floating of an object?

_____

28. What is the function of the heart in the body?

_____

29. Give any one way of preventing worm infestation in our body.

_____

30. Mention any one vulnerable group of people in your community.

_____

31. State any one characteristic of a worker bee.

_____

32. How can a farmer solve the problem of poor disposal of faeces?

_____

33. What is the function of red blood cells in the body?

_____

34. Why is burning regarded as a chemical change?

_____

35. How is the pinna useful to a person during the process of hearing?

_____

36. Give one way of maintaining a proper functioning of our digestive system.

_____

37. State the method used to find the volume of an irregular object.

_____

The diagram below is of a common animal. Use it to answer questions 38 and 39.



38. Name the class of invertebrates to which the above animal belongs.

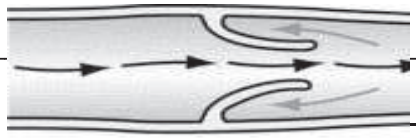
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39. Which disease does the above animal spread to humans?

_____

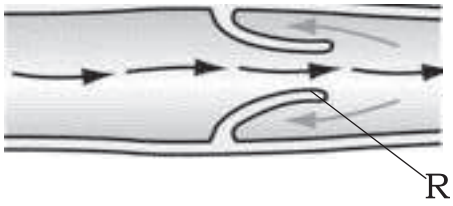
40. Give one disease that can be controlled by proper disposal of human wastes at school.

_____



MARKS)

41. ***The diagram below shows a blood vessel. Use it to answer the questions that follow.***



a) Name the type of blood vessel shown above.

_____

b) Name the structure marked R in the blood vessel.

_____

c) How are structure R useful in the blood vessel?

_____

d) Give one example of the above type of blood vessel in the human body.

_____

42. a) Give two reasons for keeping poultry at home.

i) _____

ii) _____

b) Write any two systems of keeping poultry.

i) _____

ii) _____

43. a) State ant two effects of heat on matter.

i) _____

ii) _____

b) Name two state of matter that transfer heat by convection.

i) _____

ii) _____

44. a) What is the main function of leaves to a plant?

_____

b) What role is played by chlorophyll during photosynthesis?

_____

c) Give two ways plants with weak stems climb other.

i) _____

ii) _____

45. a) Besides decomposition, name the process of soil formation.

_____

b) Which component of soil is formed by decomposition?

_____

c) Name any one organism that helps in the decomposition process.

_____

d) Give one practice that make soil lose its fertility.

_____

46. ***The diagram below is of a mosquito larva. Use it to answer questions that follow.***



a) Name the mosquito that develops form such a larva.

_____

b) Which disease does the mosquito you have name spread to humans?

_____

c) Suggest two ways of controlling the stage of the mosquito shown above.

i) _____

ii) _____

47. a) Name any two childhood immunisable diseases controlled by DPT vaccines.

i) _____

ii) _____

b) How is DPT administered to children?

_____

c) Besides DPT, mention any other vaccine administered to infants.

_____

48. a) Give one bird under each of the following groups of birds.

i) scavenger _____

ii) preying bird_____

b) In which way are scavenger birds useful in the environment?

_____

c) Give the difference between a predator and a scavenger.

_____

_____

49. a) Name any two products from sheep.

i) _____

ii) _____

b) What does shearing refers to in sheep rearing?

_____

_____

c) How can a farmer control diseases in sheep?

_____

50. ***In an equipment, salt is mixed with water and stirred until it dissolved to form a solution.***

a) What do the following act as in the experiment?

i) salt _____

ii) water _____

b) Why did the salt dissolve in water?

_____

c) Name any one substance that could be used instead of sugar.

_____

51. a) Which class of food prevents Kwashiorkor among children?

_____

b) State the element of PHC that prevent deficiency diseases.

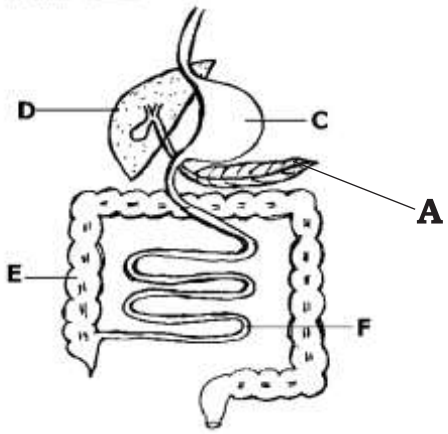
_____

c) Give any two vitamin deficiency diseases.

i) _____

ii) _____

52. ***The diagram below shows part of the alimentary canal of man. Use it to answer questions that follow.***



a) Name part marked C.

_____

b) In which part of the alimentary canal does absorption of food take place?

_____

c) Identify the digestive juice produced by part D.

_____

d) Give one disorder of the above system.

_____

53. a) What is germination?

_____

_____

b) Mention any two condition seeds need to germinate.

i) _____

ii) _____

c) Why do seeds fail to germinate when they are put in very dry soil?

_____

54. ***In the table below, part A shows term used to describe sound and part B has the meaning of the terms. Use the meaning in part B to match the terms in A.***

Part A	***Part B***
Pitch	Reflected sound
Echo	Number of vibration per second
Frequency	Loudness or softness of sound
Volume	Highness or lowness of wind

a) Pitch _____

b) Echo _____

c) Frequency _____

d) Volume _____

55. a) What is first aid?

_____

_____

b) Identify the first aid item used to;

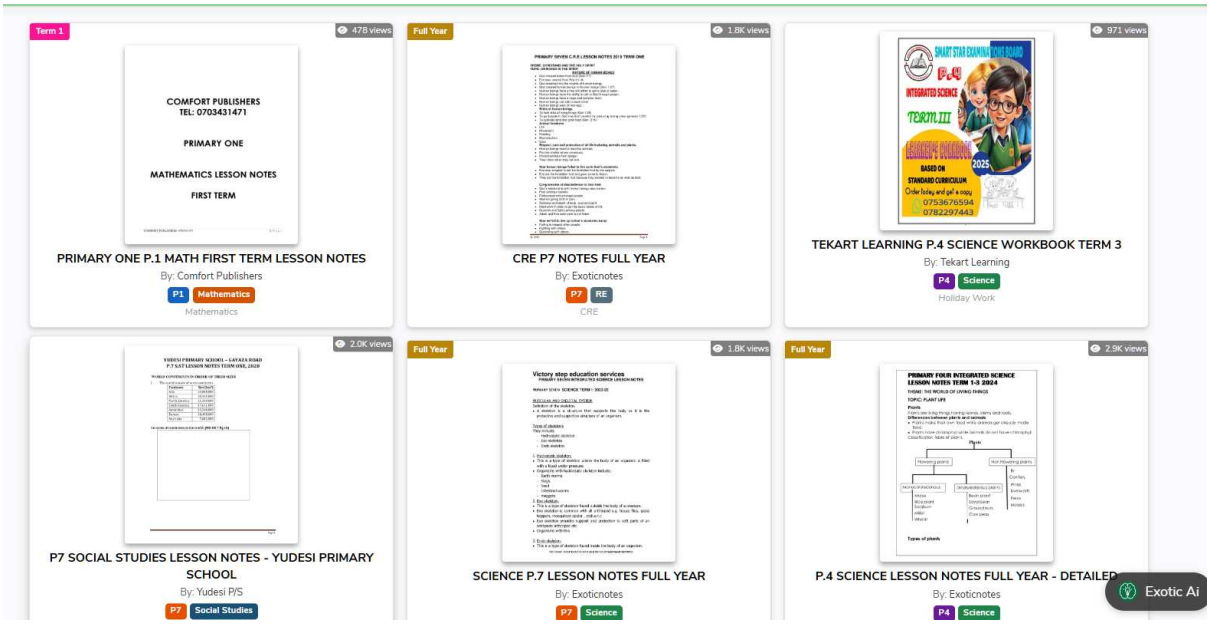
i) clean wounds _____

ii) managing fractures _____

c) State one reason for giving first aid to casualties.

_____

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