



JACARANDAS JUNIOR SCHOOL

PRE - PLE EXAMINATION SET II 2022

PRIMARY SEVEN

INTEGRATED SCIENCE

Time allowed: 2 hours 30 minutes

NAME: _____

INDEX NUMBER

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SIGNATURE: _____

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 crossing 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

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

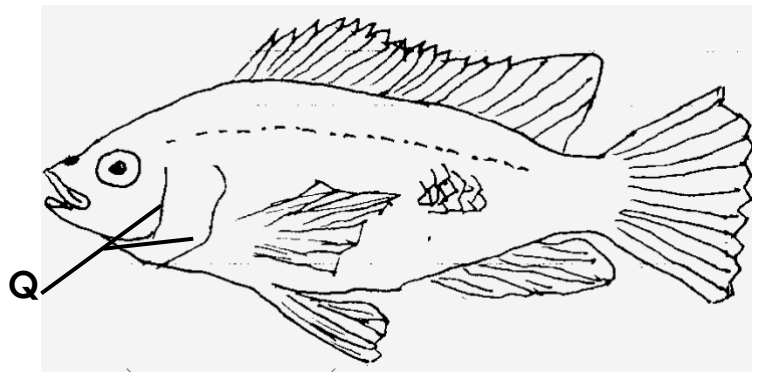
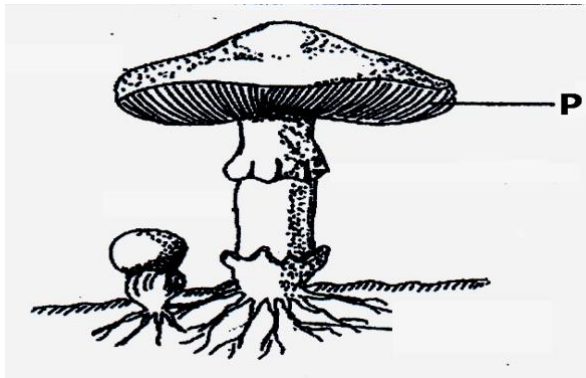
SECTION A (40 marks)

1. What is the function of the ear as a sense organ.

2. How dangerous are rat flea to people?

3. Why do you think old people need to feed on food containing more proteins?

Use the diagram below to answer question 4.



4. Give the difference between part protected by part Q and P.

5. Suggest any one way you can care for sick people.

6. A tendon is one of the structures that is found in the human body. Identify the way it is useful to the body.

7. Define the term refraction of light.

8. Name any one way of storing sound by writing.

9. Which group of simple machines is a ladder?

10. Why is a pin hole camera called so?

11. Why do you think a polythene paper is regarded as a biodegradable

waste material?

12. Name the skeletal muscular disease that is a result of shortage of calcium in the body.

13. Red, blue, indigo, green, violet, orange, yellow. Arrange the colour of the spectrum in their right order.

14. Which garden tool is good for harvesting cereal crops?

15. Mention any one way of controlling poultry vices in a poultry farm.

16. Identify the percentage of the part of air used in germination of crops.

17. Give one way tapeworms are dangerous to our health.

Use the diagram below to answer question 18.



18. How useful are parts marked with letter S?

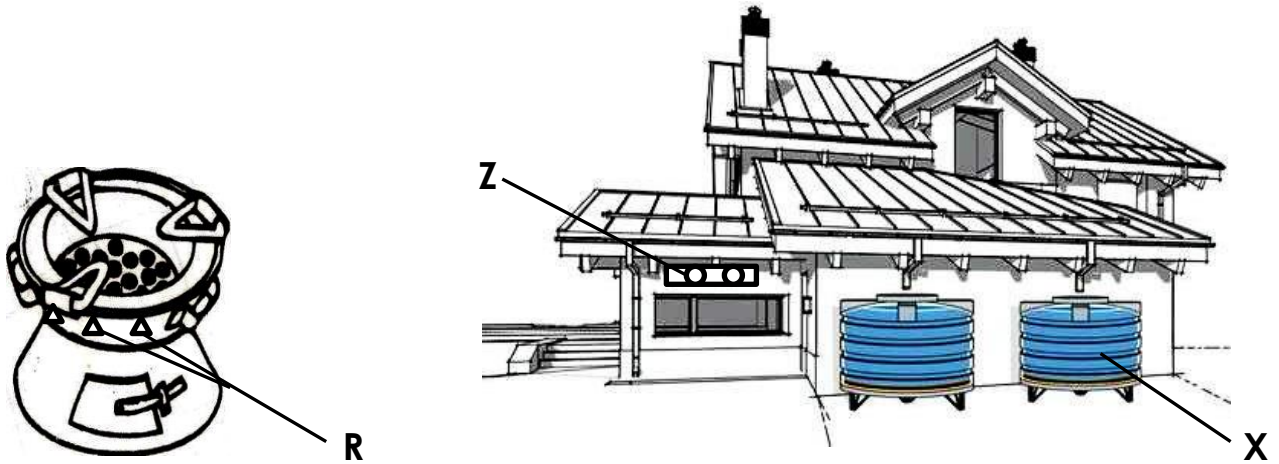
19. What is the main source of energy in a complete food chain?

20. Name the blood component that is mainly affected by plasmodium germ.

21. Identify any one liquid metal in the environment.

22. How important is a strip cup on a cattle farm?

The diagram below is of a charcoal stove and a living house. Use it to answer question 23 and 24.



23. Give any one similarity between the function of part Z and R.

24. Why do you think it is not good to take water collected in Z before cooking?

25. To which group of germs is a germ that causes trichomoniasis?

26. State any one component of urine.

27. What is a health parade?

28. Suggest away yeast is different from a mushroom yet both are fungi.

29. Which stage of cleaning clothes requires squeezing water out of clothes?

30. How does sun drying help to preserve cereal crops?

31. What is pollination?

32. Apart from looking for food, give any other reason why animals move from one place to another?

33. Give a reason why carbon dioxide is used in fire extinguishers.

34. Give the meaning of the term Local action in a wet cell.

35. Besides the suture joint in the skull, mention any other immovable joint in the body.

36. What are renewable resources?

37. John a baby class child came to school when infected with Covid 19. Identify any one possible way of preventing other children from getting infected without the use of marks?

38. How did Mr. SSenkumba get the aroma of food being prepared in the kitchen while seated in his office?

39. In the space below, draw a diagram showing a single movable pulley.



40. Wh individuals set fire on bushes?

SECTION B

41(a) What is excretion?

(b) Mention any two excretory organ.

(i) _____

(ii) _____

c) Which pigment helps to give the skin its colour?

42. Use diagram below to answer questions that follow.



(a) Name the type of blood vessels.

A - _____

B - _____

(b) Give any one structural difference between blood vessel A and B

(c) Why are the walls of blood vessel B thick and strong?

43(a) In which state of matter is water at 32°F?

(b) Mention any two way of heat transfer in matter.

(i) _____

(ii) _____

c) State the normal body temperature of a person.

44. a) Give any one characteristic of images formed on the retina.

b) Which part in a lens camera has the same function as the retina?

c) Which part connects the retina to the brain for easy transmission of signals?

d) Name the part of the human eye that allows light to enter.

45. What are sex deviations?

(a) Mention any two examples of sex deviations.

i) _____

ii) _____

b) Write any one way school children can control sex deviations.

46. I am a girl aged 14 years, by the time I made 13 years, I saw blood coming out of my reproductive system. This has been happening since then every after 30 days.

a) Name the primary sex characteristic that is being talked about.

b) Apart from the above sex characteristic mention any other primary sex characteristic but common in boys.

c) Give the reproductive system disease that causes blindness in babies.

d) State the similarity between the reproduction of human beings to that of a baboon.

47. **Match the items in list A with those in B.**

A

Lungs

B

lactic acid, excess water

Urine hydrochloric acid Renin, pepsin
Sweat carbon dioxide, water vapour, heat
Gastric juice uric acid, urea excess water

- a) Lungs _____
- b) Urine _____
- c) Sweat _____
- d) Gastric juice _____

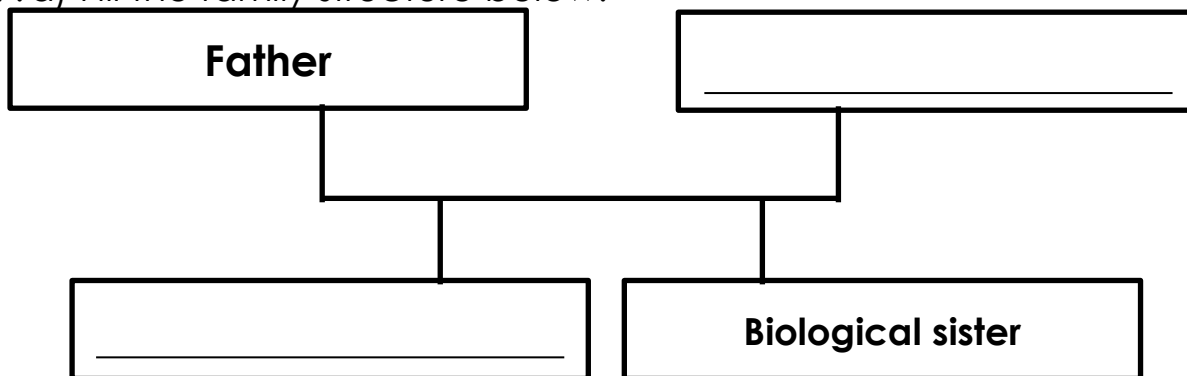
48. a) Name any two method of producing alcohol.

- i) _____
- ii) _____

(b) Give the two chemical substances found in tobacco.

- i) _____
- ii) _____

49. a) Fill the family structure below.



(b) What type of family is shown in the structure above?

(c) Apart from the type of family above, mention any other type of family.

50. Name the germs that cause the following diseases.

- i) Malaria _____
- ii) Typhoid _____
- iii) Covid 19 _____

iv) Trachoma _____

51. (a) Suggest any one way man benefit plants.

(b) Identify any one way man benefits from plants.

(c) State the importance of bacteria in a complete food chain.

52. a) How does sound from the bell reach the ear of children in a class room.

(a) Give the ways the following produce sound.

i) Guitar - _____

ii) Bees - _____

(b) Mention any one device that reproduces sound.

53. a) What is poultry?

b) Mention any two types of poultry.

i) _____

ii) _____

c) Suggest any one way of proper caring for poultry.

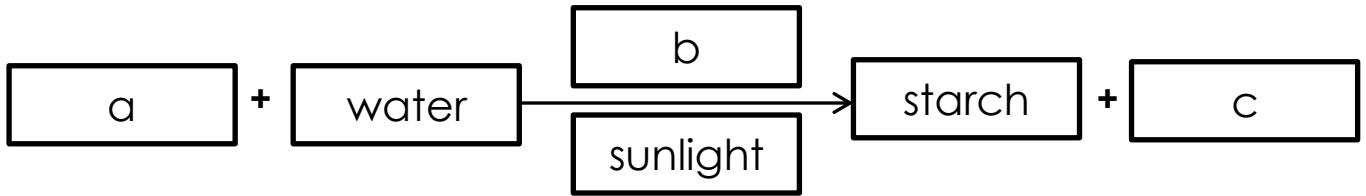
54. a) Suggest any one method of fishing.

b) How can the government stop poor fishing methods?

c) Which food value do we get from fish?

d) Give any one local way of fish preservation.

55. Use the illustration below to answer question that follow.



a) Name part;

i) A - _____

ii) B - _____

b) Which process is demonstrated in the illustration above?

c) State any one way part (c) is useful to animals.
