

ASRO PRE-PRIMARY LEAVING EXAMINATIONS 2022  
SET II

"THE INDOMITABLE PURGE"

PRIMARY SEVEN [P.7]

INTEGRATED SCIENCE

Time allowed 2½ Hrs

INDEX NO:

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CANDIDATE'S NAME: .....

CANDIDATE'S SIGNATURE: .....

SCHOOL NAME: .....STREAM.....

Read the following instructions carefully:

1. This paper has two sections; A and B.
2. Section A sub section I has 30 questions (30 marks)
3. Sub section II has 20 questions (20 marks)
4. Section B has 5 questions (50 marks)
5. Attempt ALL questions. All questions for both sections A and B must be written in the spaces provided.
6. All answers must be written using a blue or black ink only.
7. Unnecessary alteration of work will lead to loss of marks
8. Any handwriting that cannot be easily read may lead to loss of marks.
9. Do not fill anything in the boxes shown

Greetings and Welcome from term II Mock Examinations. Here comes the indomitable purge set which is meant to give you the courage and confidence of not being defeated at the end. You are a winner because you are not ready to give up. You are now nearing the end and so the need to remain very steady, gather more courage and confidence, revise more by consultation and discussion. You are nearing the goal post and left with taking the final kick. No panic and fear is expected as long as your attempting the Pre-PLE examinations set. All has been said, your practice is the solution now. So we wish you the best of luck as you attempt all the indomitable stand sets this season.

"Success wishes and blessings from ASRO Exams Desk"

FOR EXAMINERS' 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)

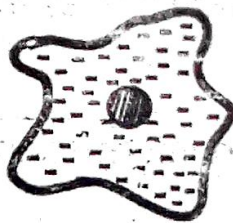
1. Name the injury that occurs when the ligament is torn or twisted.
2. Apart from having a pot belly stomach, give any other sign of a child suffering from Kwashiorkor.
3. In the space below, draw a simple a lobbed leaf.



4. How is the poisonous substance found in tobacco dangerous to the smoker?
5. Describe one health problem experienced by individuals who eat undercooked pork
6. What is the difference between monocotyledonous plants and dicotyledonous plants?
7. The temperature of an object is measured in degrees; In which units do we measure heat?
8. Why does a person employed in lifting metals in a steel industry eat a lot of food rich in carbohydrates?
9. Given that volume of a box is  $24\text{cm}^3$  and its density is  $6\text{gm/cm}^3$ . Find the mass of an object.



10. Give a reason why most people in villages commonly use free range system of keeping poultry.
11. Name the immovable or fixed joint found in the skull.
12. How does mulching maintain moisture in the soil?
13. Why is tepid sponging important to people with fever?
14. What happens to a broken piece of a magnet?
15. Name the vaccine injected to babies at birth.
16. Identify one way how painting controls rusting.
17. State the importance of the blood cell shown in the diagram below.



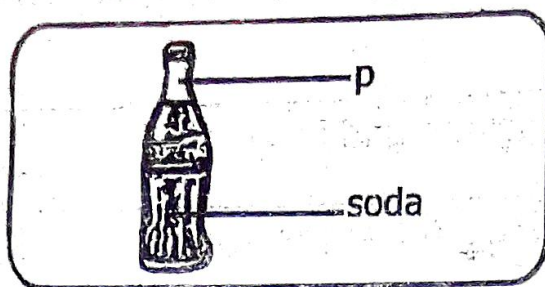
18. To which group of musical instruments do xylophones belong?
19. Name the force that exists between water and glass molecules.
20. Give any one example of a faecal disease caused by a moeba.
21. Which symbol of an electric circuit is show below?



22. Which part of an egg has the same function as the micropyle?



Study the diagram below and answer question 23.



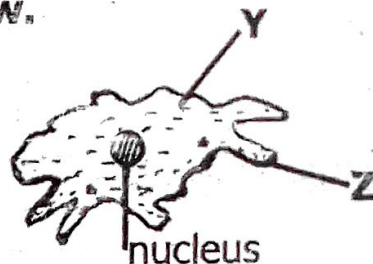
23. Why is the space **P** left in the bottle?
24. Define the term nutrition.
25. Besides protection, support and , movement, how else is a skeleton important to the body?
26. Name the sheep rearing practice that is done to ease mating.
27. State any one human activity that accelerates the rate of environment degradation.
28. How does the collection of data and information about population help the government?
29. How can tall buildings be protected from being struck by lightning?
30. State one way in which rubbish that is not properly disposed off is dangerous to our environment.
31. Ruminant animals have four stomach chambers, give the function of the reticulum.
32. How is a female sterile bee useful in a bee hive?
33. Name the part on spore producing plants where spores are produced and stored.
34. Apart from abstinence , suggest one way of controlling the spread of venereal diseases among people.



35. Why do we breathe faster when playing football than when sleeping?
36. Why are farmers advised to grow crops and trees on the same piece of land?
37. In which way is a charcoal stove made of clay able to conserve fuel?
38. What makes a seedling growing under a tree to become tall and yellowish?
39. Give any one importance of a child health card to a mother?
40. Name any one form of sexual deviation among the youth.

### **SECTION B: (60 MARKS)**

41. The diagram below shows an amoeba. Use it to answer the questions that follow.



- a) Name the parts labelled Z and Y.  
 Z \_\_\_\_\_ Y \_\_\_\_\_
- b) State the function of a nucleus to the amoeba.  
 \_\_\_\_\_
- c) How is the amoeba able to move from one place to another?  
 \_\_\_\_\_
42. a) In soil formation, what does weathering mean?  
 \_\_\_\_\_
- b) Write down two types of weathering.  
 (i) \_\_\_\_\_ (ii) \_\_\_\_\_
- c) Give one factor that causes weathering.  
 \_\_\_\_\_
43. a) Give one cause of eye defects.  
 \_\_\_\_\_

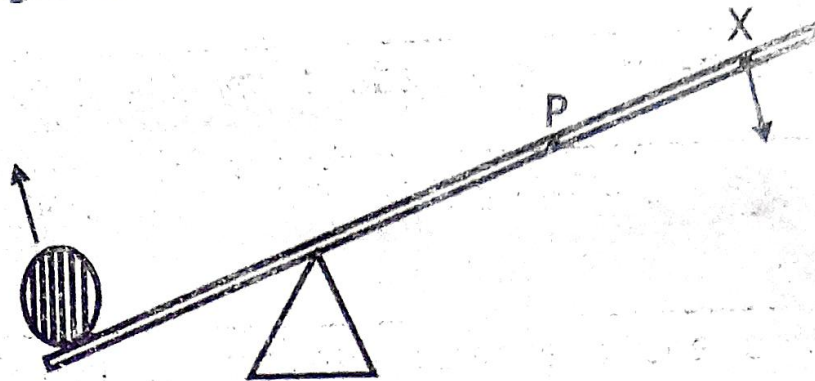


b) Write down any two types of defects.

(i) \_\_\_\_\_ (ii) \_\_\_\_\_

c) Which part of the eye is damaged by looking at the sun?

44. Use the diagram of the machine below to answer the following.



a) Name the type of simple machine shown above.

b) Using arrows, show the direction of movement of load and effort.

c) Why is it easier to overcome the load exerting effort of point X?

d) State the law of moments.

45. a) What is seed dispersal?

b) Give two advantages of seed dispersal.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

c) How are seeds dispersed by wind adapted to their mode of dispersal?

46. a) What are health concerns?

b) Write down three examples of health concerns in the community.

(i) \_\_\_\_\_

(iii) \_\_\_\_\_

(ii) \_\_\_\_\_

47. a) Write down two types of friction.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

b) Why are bodies of birds streamlined?

c) State one use of friction to a butcher.



48. a) Why is a cockroach classified under insects with an incomplete metamorphosis?

b) What name is given to its second stage during its growth?

c) Which contagious disease is spread by a cockroach to humans?

d) State any other insect that has a similar growth life cycle.

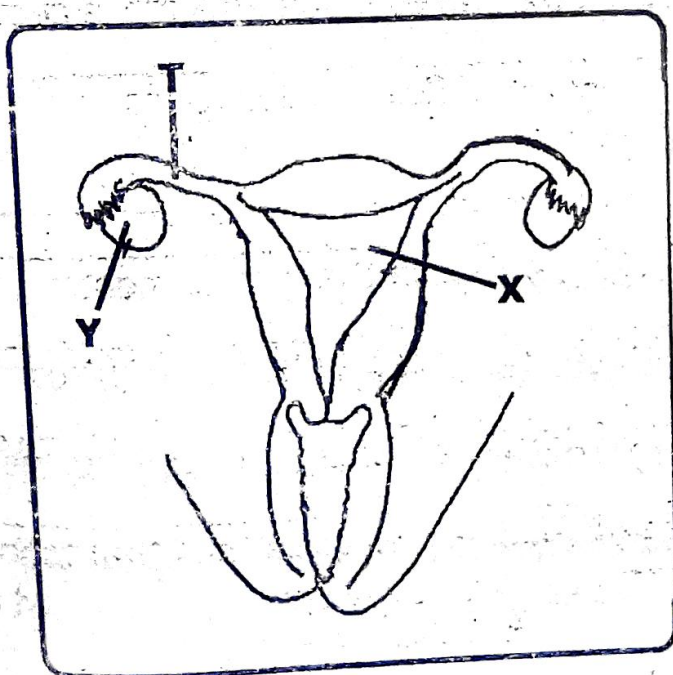
49. a) What is Primary Health Care?

b) Identify any two principles of Primary Health Care.

(i) \_\_\_\_\_ (ii) \_\_\_\_\_

c) How can a family promote PHC at home?

50. The diagram below shows the female reproductive system. Use it to answer question 49.



a) Name the parts labeled with letters T and Y.

T \_\_\_\_\_

Y \_\_\_\_\_

b) Name the process that takes place in X after fertilization.

c) State one disorder of the reproductive system above.

51. a) Define the term surface tension.

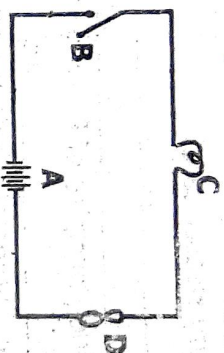
b) Mention any two applications of surface tension in the environment.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

52. a) Mention one method used for preparing safe water for drinking.
- b) Mention one chemical component that can be used to treat water.
- c) Why is the delivery tube used in distillation process coiled?
- d) Why is it important to boil water first before drinking?

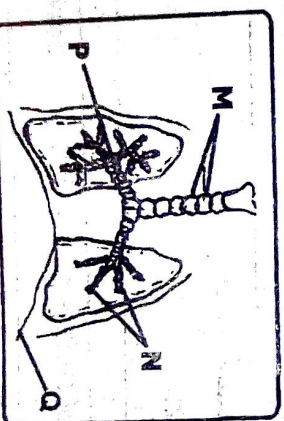
53. The diagram below shows a simple electric circuit. Study it carefully and answer questions about it.



- a) How are the following parts important in the circuit?  
B \_\_\_\_\_  
C \_\_\_\_\_
- b) Mention one energy change that takes place at A if the circuit is closed.
- c) Use arrows to show the direction of flow of electrons.
54. a) What are energy resources?  
 \_\_\_\_\_  
 \_\_\_\_\_

- b) State any one living energy resource in the environment.
- c) How can the energy resource you have mentioned in (b) be conserved?
- d) Give one advantage of using the living energy resource in the environment.

55. Study the diagram below and answer the questions that follow.



- a) Which body system is illustrated in the diagram above?
- b) Name the parts marked P and Q.  
P \_\_\_\_\_  
Q \_\_\_\_\_
- c) How are the structures marked M important?