

# PSET PLE 2008 EXTRACT

PUPIL'S COMPLETE INDEX NUMBER				
Province/City	District	Sector	School	Pupil
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**PUPIL'S FULL NAME**

Sur name : \_\_\_\_\_

Other names : \_\_\_\_\_

## SECTION A (50 marks)

- Name one tool used by;  
(a) a farmer \_\_\_\_\_  
(b) a carpenter \_\_\_\_\_
- Which of the following is a metal: carbon, glass, sodium, oxygen?  
\_\_\_\_\_
- Mention any two sources of artificial light.  
\_\_\_\_\_
- Which of the following will be picked by a magnet: chalk, wood, stone, iron, nail, glass, steel wire? \_\_\_\_\_
- Name one liquid fuel and one solid fuel used in homes.  
Liquid fuel \_\_\_\_\_  
Solid fuel \_\_\_\_\_
- Why is water a solid when its temperature is below zero degrees centigrade?  
\_\_\_\_\_
- The density of gold is  $19\text{g/cm}^3$ . Calculate the volume of 95g of gold.  
\_\_\_\_\_
- What does a transformer do?  
\_\_\_\_\_
- Why does a pond full of water appear much shallower than it actually is?  
\_\_\_\_\_
- By which method is heat transferred;  
Through air \_\_\_\_\_  
Through a metal \_\_\_\_\_  
Through water \_\_\_\_\_

11. Which is the energy that helps us to hear?

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12. What causes an echo?

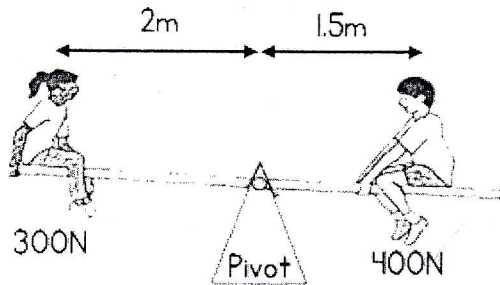
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13. What is the difference between umbra and penumbra shadows?

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14. The figure below shows a girl and a boy on a playing seesaw.



Who of the two is heavier than the other?

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15. Name the four parts of a human heart.

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16. Mention any two signs of cholera.

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17. Give two ways of preventing cholera in your home.

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18. (a). Name the disease caused by lack of vitamin C.

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(b). What type of food can you give to such a person? Give an example.

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19. In which harmful way is a mosquito similar to a housefly?

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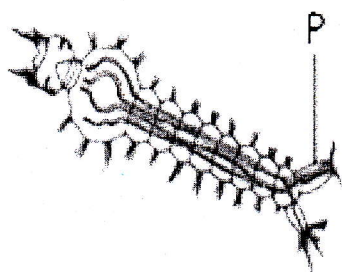
20. What is the function of the Eustachian tube in the mammalian ear?

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21. Mention one danger of throwing polythene bags (udushashi) into gardens?

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22. The diagram below shows a stage in the life history of a mosquito



(a). What is the third stage called in the life history of mosquito? \_\_\_\_\_

(b). Name the part marked P.

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(c). Of what use is part marked P.

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23. Dushime shouted loudly in a big house. As he shouted, he heard another similar sound.

(a). Give the name of the similar sound Dushime heard after shouting.

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(b). How was the sound you have named above formed?

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24. What is transpiration?

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25. State any one effect of air pollution on people.

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26. At what time of sunny days are shadows shortest?

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27. Why does blood go to the kidney during circulation?

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28. Give any one use of cow dung to farmers.

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29. Identify any two properties of pure water.

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30. (a). What is soil erosion?

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(b). Identify four agents of soil erosion.

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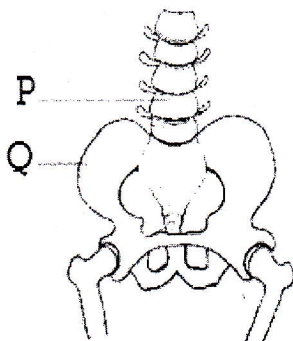
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31. Why is a clinical thermometer used to measure human temperature instead of any other thermometer?

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### SECTION B (50 marks)

32. The diagram below shows part of a human body. Use it to answer questions that follow;



(a). What type of joint is shown in the diagram?

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(b). Name parts P and Q.

P -----

Q -----

(c). How is the movement of this joint different from the movement of the elbow joint?

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33. Give any three uses of water to people.

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34. Mention any three sexually transmitted diseases you know.

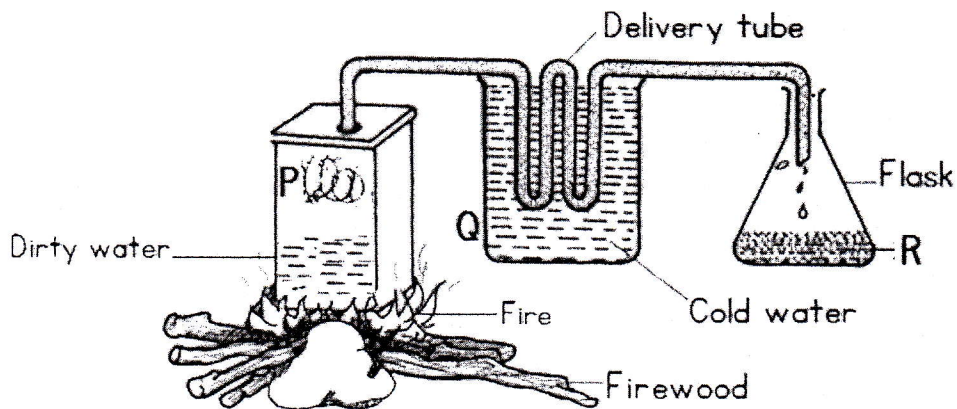
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35. Fill the table below with end products after digestion.

Food	End product after digestion
Carbohydrates	-----
Proteins	-----
Fats	-----

36. The diagram below shows one method of getting pure water from dirty water.



(a). What is the name of the method?

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(b). What physical change takes place at P?

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(c). What is the purpose of cold water at Q?

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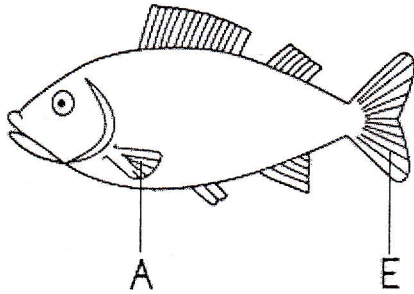
(d). How do you call the pure water collected at R?

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37. (a). Give two reasons why burning and rusting are considered similar reactions.

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(b). A farmer notices that whenever he leaves his hoe outside the whole day, on a clear day, it does not rust. But whenever he leaves his hoe outside the whole night, it rusts. Why is this the case?  
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38. The diagram below is of a Tilapia fish. Use it to answer questions that follow.



(a). Name the part labelled A.  
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(b). How is part E useful to a fish?  
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(c). What does the fish use nostrils for?  
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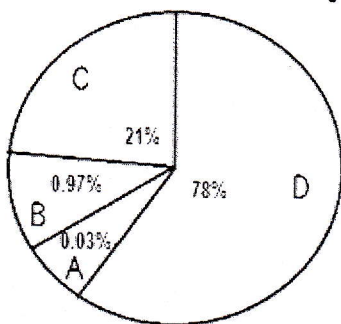
(d). Name any one animal that can live both on land and in water  
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39. (a). How does a banana plant multiply?  
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(b). What insect pest attacks bananas?  
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(c). In which part of the plant would you find this insect pest named above?  
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40. The pie chart below shows the proportions of air. They are labelled A, B, C and D. Use it to answer the questions that follow.



(a). Which letter in the pie chart represents the gas which supports both breathing and burning?  
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(b). What is the use of the gas represented by letter B?  
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(c). Name the gas represented by letters;

D -----

A -----

41. A married couple has 10 children. The oldest child is 15 years while the youngest child is 3 years old.

(a). State any one social problems this family is likely to face.  
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(b). Mention one health problem the mother may face.

(c). State one suitable advice you would give to this family.

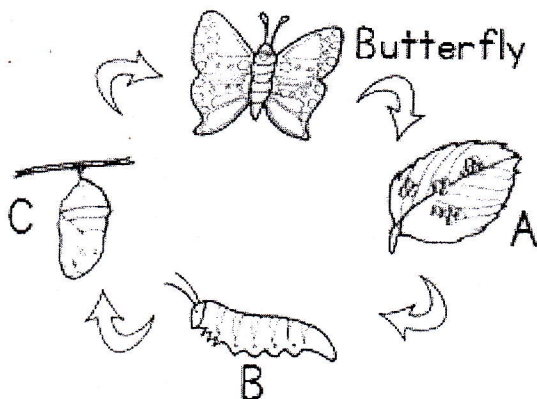
42. Karemera came back from school and found a piece of left over boiled potato which was not covered. Because he was very hungry, he began to eat it at once.

(a). State two good health practices Karemera did not follow.

(b). Name the disease Karemera could suffer from.

(c). Give a reason for your answer above.

43. The diagram below shows the life cycle of a butterfly.



(a). Name the stages B and C.

B

C

(b). At what stage is a butterfly a pest?

(c). State one reason why a butterfly is classified as an insect.

44. (a). State any two ways of acquiring immunity.

(b). Apart from the six killer diseases, state any one other disease where one can acquire immunity.

45. Use the list of plants below to answer the questions which follow

**Beans, Mosses, Conifers, Mushrooms**

(a). Which two plants would you group together as members of one family?

(b). Which one of the above plants reproduces by means of flowers?

(c). In what kind of environment would you find mosses?