

PSET PLE 2011 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 B: (50 MARKS)

1. Name any three tools used by a farmer.

2. Why is the air of the atmosphere important for lives? Give two reasons.

3. What is a magnet?

4. (a). Give two reasons to show why light from the sun is important.

(b). Why are white clothes more comfortable to wear on a hot day than dark clothes? _____

5. (a). Name and draw a labelled diagram of an instrument used to measure body temperature of people.

(b). The instrument is called a _____

6. State three methods of heat transfer.

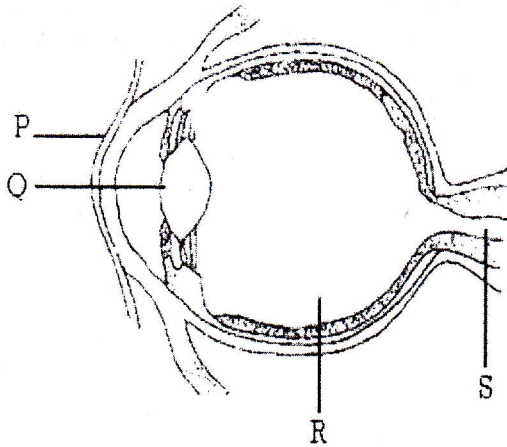
7. Why do we use blankets to cover ourselves at night?

(c). Name at least one process that takes place in part R.

(d). What type of fertilization takes place in people?

(e). How is such fertilization different from that in amphibians (frogs, toads, etc)?

31. The diagram below shows a human eye.



(a). Name the parts labelled P, Q, R and S.

P _____

Q _____

R _____

S _____

(b). What is the function (use) of part Q?

(c). Which part of the eye is sensitive to light rays and so send messages to the brain?

8. (a). Does sound travel through solids? Explain your answer.

(b). A vacuum is a space completely empty of matter.

(i). Does sound travel through a vacuum?

(ii). Does light travel through a vacuum?

(iii). What would happen to a balloon full of air if it were taken in a vacuum?

Write True for the correct statement or False for the wrong statement for questions

9. A stone sinks in water because it is hard.

10. Light travels through translucent objects.

11. Sound travels through water.

12. Electricity is a manmade source of energy.

13. Metals are poor conductors of heat.

14. Complete the table below:

Mass (g)	Volume (cm ³)	Density (g/cm ³)
18	-----	0.9
-----	3	13.2

(a). How are trees important to the environment? (Give two ways)

(b). Mention two uses of timber.

15. Electricity in homes makes everyday life good. Mention three ways by which electricity makes life good.

16. (a). Why do we use soap to wash clothes?

(b). The clothes are spread for drying after washing them.

17. Explain this drying up process.

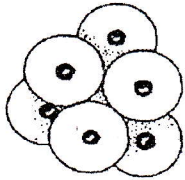
18. (a). Which two forms of energy does lightening have?

(b). Explain why light is seen before sound is heard during lightening.

19. Give any two reasons why First Aid is given.

20. State one reason why water is important in our diet.

21. Which animal lays such eggs shown below?



22. State one way of reducing friction.

23. What type of family has the following people; husband, wife, daughter and nephew? _____

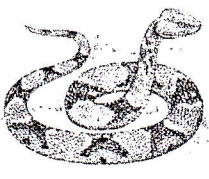
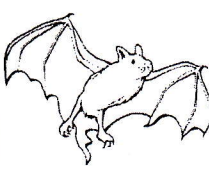
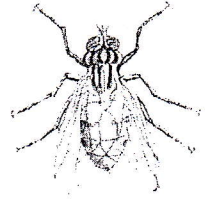
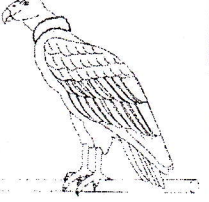
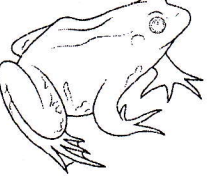
24. State one reason why breast milk is considered the best food for babies.

25. (a). Give the main use of leaves to a plant.

(b). How do we call the green colour found in plants?

SECTION B (50 Marks)

26. Use the diagram below to answer the questions that follow.

Snake	Bat	Fly	Bird	Frog
				

(a). Which of the above animals lays eggs?

(b). Which of the animals are cold blooded?

(c). Which of these animals is a mammal?

27. (a). How do we call a reproductive cell of a;

(i). Woman? -----

(ii). Man? -----

(b). How are the cells in (a) above different in shape and size?

28. Fill in the table below with the example of each given group.

Group of animals	Examples
Insects	-----
Arachnids	-----
Crustaceans	-----
Molluscs	-----
Flat worms	-----
Segmented worms	-----
Myriapods	-----

29. Answer the following questions using True (T) or False (F)

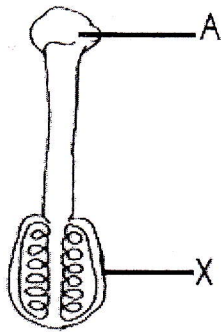
(a). The virus that causes AIDS can be transmitted through sexual intercourse.

(b). Mosquitoes transmit the virus that causes AIDS.

(c). An infected pregnant woman can pass on AIDS to the Child.

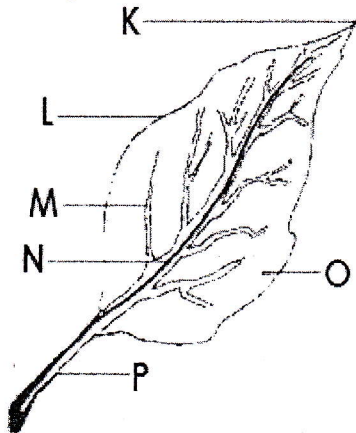
(d). Although AIDS is in all parts of the world, it no longer kills people.

30. The diagram below shows part of a flower.



- (a). The part marked X develops into _____ after pollination?
- (b). How the part is marked A useful to the flower?

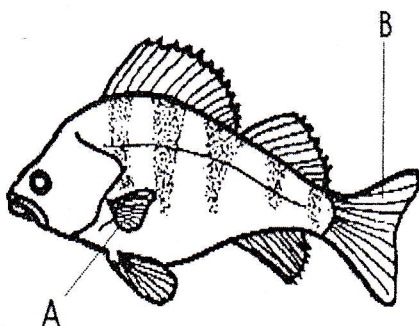
31. The diagram below is of a leaf.



Name the parts marked K, L, M, N, O and P.

- K _____
- L _____
- M _____
- N _____
- O _____
- P _____

32. The diagram below is of a Tilapia fish. Use it to answer the questions that follow



- (a). Name the part labelled A.

- (b). How is part E useful to the fish?

- (c). Which parts of the fish helps it to protect itself in water.

(d). What is the importance of eating fish?

33. (a). What is plasma?

(b). Name the blood vessel that carries blood:

(i). From the liver to the Vena Cava.

(ii). From aorta to the stomach and intestines.

(iii). From the lungs to the heart.

(c). What is the name of the Vein that connects the liver to the small intestines? _____

(d). What does the vein carry to the liver?

34. Name the three types of teeth found in human beings and give the functions of each.

(a). Type 1 _____ Function _____

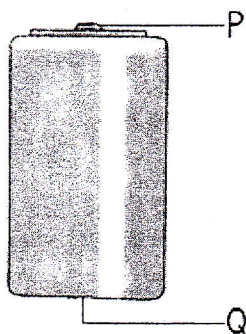
(b). Type 2 _____ Function _____

(c). Type 3 _____ Function _____

35. (a). A balanced diet is one that

(b). What does one have to consider when preparing a balanced meal?

36. The diagram below is of a dry cell



(a). Name parts P and Q.

P _____

Q _____

(b). What form of energy does a dry cell;

Store? _____

Produce? _____

(c). What type of electricity does a dry cell produce?

(d). Name any one device that uses dry cells.
