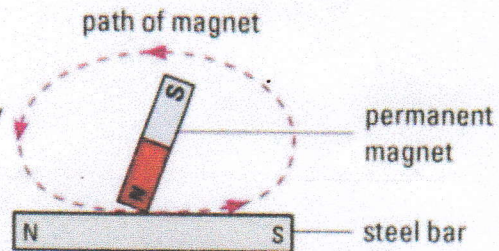
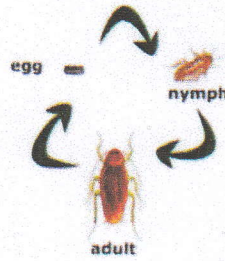
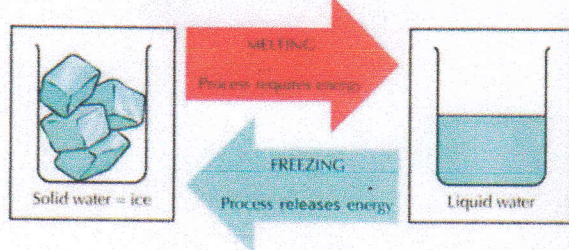
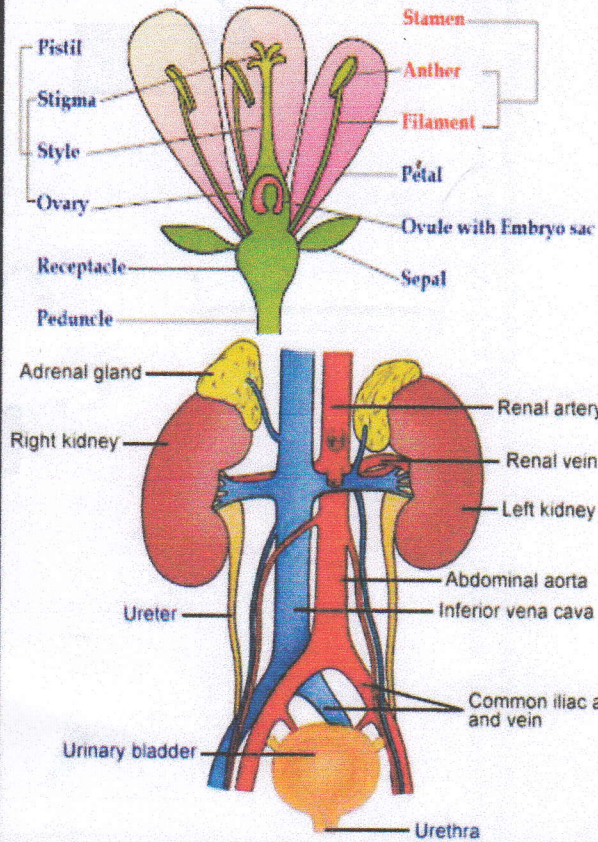


# A WORKBOOK OF P.6 PAST PAPERS

# SCIENCE

## AND ELEMENTARY TECHNOLOGY



**NAME :** \_\_\_\_\_

**SCHOOL :** \_\_\_\_\_

**INDEX NUMBER:**

PROVINCE	DISTRICT	SECTOR	SCHOOL	PUPIL
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**PARENT'S CONTACT:**

*Teacher's or parental guidance is needed.*



# PSET PLE 2016 EXTRACT

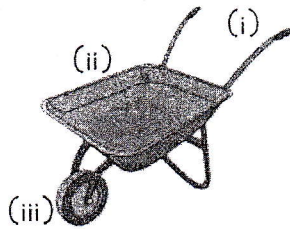
PUPIL'S COMPLETE INDEX NUMBER				
Province/City	District	Sector	School	Pupil
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PUPIL'S FULL NAME				
Sur name	:	-----		
Other names	:	-----		

## SECTION A: ATTEMPT ALL QUESTIONS (50 MARKS)

1. a. What is a simple machine?

-----

b. Name the parts of a simple machine below.



i) -----

ii) -----

iii) -----

c. In which class of machines is the simple machine in (b) above?

-----

2. Name two ways of controlling dangers caused by stagnant water.

-----

3. Write two sources of artificial light.

-----

4. Why do we wear opaque clothes?

-----

5. Which form of energy is commonly used to:

a. Make cars move? -----

b. Enable human beings to see? -----

6. State any two properties of metals.

-----

7. State any two possible dangers of wind.

-----

8. State any two properties of a liquid.

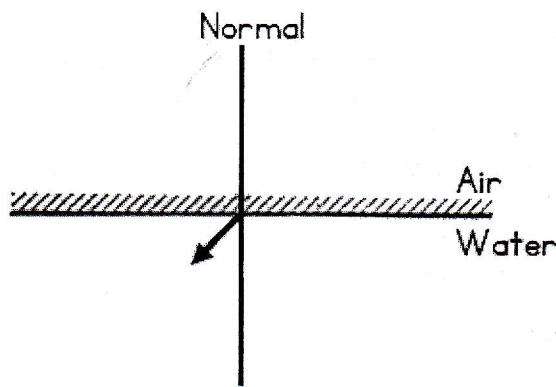
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9. Calculate the mass of a body with density  $0.9\text{g/cm}^3$  and volume  $20\text{cm}^3$ .

10. Why does a stone sink into water?

-----  
-----

11. Complete the diagram below and label the incident ray, angle of incidence and angle of refraction.



12. What is the difference between conduction of heat and radiation of heat?

-----  
-----

13. Draw a simple electric circuit composed of two cells in series, a lamp and a switch.

14. What is the use of each of the following in an electric circuit?

a. A dry cell -----

b. A bulb -----

15. How is electricity useful in helping radio and TV communication?

-----

16. What is an echo?

-----

17. Why is music a pleasant sound to hear and noise an unpleasant sound to hear?

-----

-----

18. Why is pond water not good for drinking?

-----

19. How do you change water vapour to liquid water?

-----

20. What is a penumbra shadow?

-----

21. Which form of energy helps us to hear?

-----

22. Name any two substances which are attracted by a magnet.

-----

23. If you have a mixture of iron filings and sand, how can you separate them?

-----

**SECTION B: ANSWER ALL QUESTIONS (50 MARKS)**

24. a. What is meant by communicable diseases?

-----

b. Give any two examples of communicable diseases.

-----

25. a. What is meant by sexually transmitted infections (STIs)?

-----

c. Name any two ways of preventing the spread of STIs.

-----

26. a. What is a balanced diet?

-----

b. Name any two sources of vitamins.

-----

c. What is a deficiency disease?

-----

d. A child that lacks calcium and phosphorus is likely to suffer from

-----

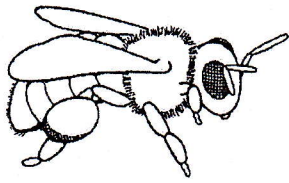
27. Digestion of food starts in the (a) \_\_\_\_\_ and ends in the (b) \_\_\_\_\_.



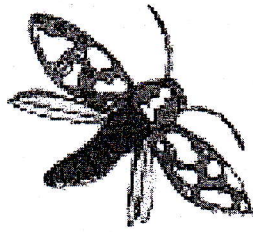
28. Name the digestive juices found in the:
- Mouth \_\_\_\_\_
  - Stomach \_\_\_\_\_
  - Small intestines \_\_\_\_\_
29. Give the names of two organs that are not part of the alimentary canal but are very important in producing digestive juices.
- \_\_\_\_\_
30. a. In human beings, what are the names of:
- Male sex cells \_\_\_\_\_
  - Female sex cells \_\_\_\_\_
- b. The process by which an ovary releases an ovum after every 28 days is known as \_\_\_\_\_
31. a. State the four main components of blood.
- \_\_\_\_\_
- \_\_\_\_\_
- b. \_\_\_\_\_ is a component of blood responsible for blood clotting.
32. a. Which excretory product is removed by all the body excretory organs?
- \_\_\_\_\_
- b. List down any four functions of the skin.
- \_\_\_\_\_
- \_\_\_\_\_
33. a. Animals move in order to:
- \_\_\_\_\_
- b. Give one example of animals that;
- walk \_\_\_\_\_
  - crawl \_\_\_\_\_
34. a. The process by which plants lose water into the atmosphere is known as \_\_\_\_\_
- b. State four conditions necessary for the process of photosynthesis.
- \_\_\_\_\_
- \_\_\_\_\_
35. a. Harmful substances that pollute water are known as \_\_\_\_\_
- b. State four things that can pollute water.
- \_\_\_\_\_
- \_\_\_\_\_

36. After fertilisation has taken place in plants, the ovules grow to become \_\_\_\_\_, while the ovary becomes \_\_\_\_\_

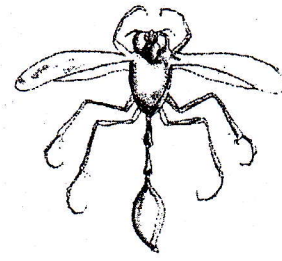
37. Classify the organisms below into three groups.



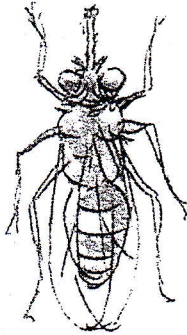
Bee



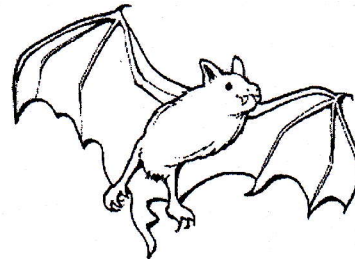
Moth



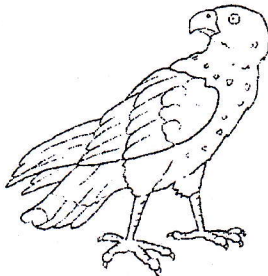
Wasp



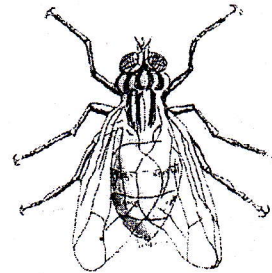
Tsetse fly



Bat



Eagle



House fly

- a. \_\_\_\_\_
- b. \_\_\_\_\_
- c. \_\_\_\_\_