

# PRIMARY LEAVING MOCK EXAMINATIONS

## P.7 INTEGRATED SCIENCE – SET 023

Time allowed: 2 Hours 15 minutes

Candidates' Names: .....

Index No.

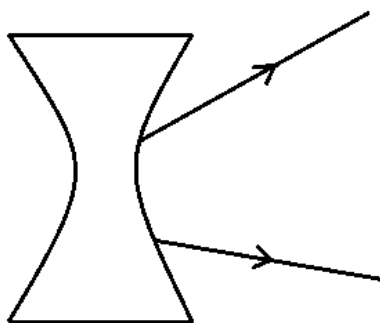
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### **SECTION A (40 Marks)**

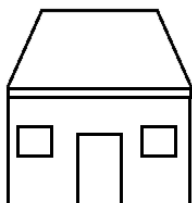
1. Mention one disease that can affect our ears.  
\_\_\_\_\_
2. Write down one way how carnivores are adapted to eating flesh.  
\_\_\_\_\_
3. How are Aedes/Tiger mosquitoes dangerous to man?  
\_\_\_\_\_
4. In which way is the air we breathe out different from the one we breathe in?  
\_\_\_\_\_  
\_\_\_\_\_
5. Give one way a P.7 child can help to control measles in the community.  
\_\_\_\_\_

***The diagram below shows a concave lens. Study it and answer the questions that follow.***



7. Complete the diagram to show the path followed by light.  
\_\_\_\_\_
8. What eye defect is corrected by the above type of lens?  
\_\_\_\_\_
9. Write one characteristic which differentiate arachnids from insects.  
\_\_\_\_\_  
\_\_\_\_\_
10. Which disease is spread by ticks to human beings?  
\_\_\_\_\_

11. Mention one disadvantage of row planting as a method of planting crops.
- 
- 
12. Write one effect of the changes that take place in the atmosphere.
- 
13. How are Nimbus clouds important to the people of Karamoja region?
- 
- 
14. Name one scale used in reading of thermometers.
- 
15. Differentiate between Rain and rainfall.
- 
- 
16. Mention one reason why cassava plant is not propagated by seeds yet it is a flowering plant.
- 
- 
17. Give one activity on a crop farm that needs garden tools.
- 
18. Why is coffee grouped under perennial crops?
- 
19. In which type of thermometer is both mercury and alcohol used to show temperature?
- 
20. Why are coal and petroleum referred to as fossil fuels?
- 
- 
21. What do we call the process which turns bananas juice into alcohol?
- 
22. Which state of matter does water exist when kept at 32°F?
- 
23. In which way is a wall Gecko useful in the prevention of malaria in our houses?
- 
- 
24. Indicate on the diagram below the missing part that would improve the movement of air in the house.



25. Name one non luminous shiny object formed in a plane mirror.  
\_\_\_\_\_
26. Give one characteristic of images formed in a plane mirror.  
\_\_\_\_\_  
\_\_\_\_\_
27. State the use of a swim bladder to a fish.  
\_\_\_\_\_  
\_\_\_\_\_
28. Write one effect of hook worms to people.  
\_\_\_\_\_  
\_\_\_\_\_
29. Give any one importance of scavengers in the environment.  
\_\_\_\_\_  
\_\_\_\_\_
30. Mention one Natural source of light.  
\_\_\_\_\_
31. Apart from bathing regularly, how else can one protect oneself against skin diseases?  
\_\_\_\_\_  
\_\_\_\_\_
32. Why is it important to observe correct posture when seated?  
\_\_\_\_\_  
\_\_\_\_\_
33. How are whales different from frogs yet they all live in water?  
\_\_\_\_\_  
\_\_\_\_\_
34. Identify one device that use convex lens.  
\_\_\_\_\_
35. Name the group of musical instrument the diagram below belongs.  
\_\_\_\_\_



36. Write down one function of muscle in the body.  
\_\_\_\_\_  
\_\_\_\_\_
37. Identify any one method of magnetization.  
\_\_\_\_\_
38. Name one source of electricity.  
\_\_\_\_\_

39. What energy change takes place in a dry cell when the circuit is complete?

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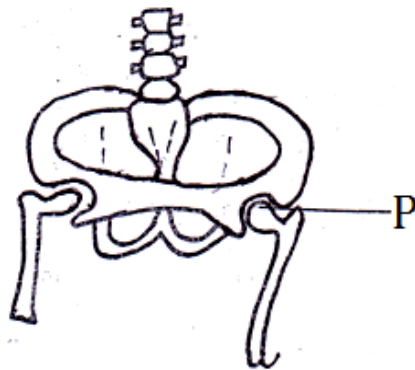
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40. Identify one importance of good sanitation.

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**SECTION B (60 Marks)**



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

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

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(c) Apart from Poliomyelitis, name one disease which affects the skeletal system.

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(d) What is the function of the voluntary muscle?

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42. (a) Mention one factor that can lead to inadequate food supply.

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(b) State two activities which can be done to address the problems of inadequate food in our community.

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

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

(c) Write down one problem related to inadequate food supply.

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43. (a) Give one similarity between an image and an echo.

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(b) State one reason why we are not able to see object round corners.

---

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(c) Why are reflectors of head lamps of vehicles made in concave shapes?

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(d) Identify one way in which living things benefit from light.

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44. (a) Give one reason why static electricity cannot be used to run electrical appliances.

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(b) State the importance of lighting in the environment.

---

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(c) Name the mineral used in the production of atomic electricity.

---

---

(d) Give any one reason why teenage pregnancies are not allowed in our community.

---

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45. (a) What name is given to the male gametes in animals?

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(b) Identify what is formed when there have been a Union between the male and the female gametes in Avocado plant.

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(c) Mention any one sign of pregnancy.

---

---

(d) Give any one reason why teenage pregnancies are not allowed in our community.

---

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46. **Match items in A with those in B correctly.**

**A**

Housefly

Butterfly

Bees

Mosquito

**B**

Grub

Wrigglers

Maggot

Caterpillar

- (i) Housefly \_\_\_\_\_  
(ii) Butterfly \_\_\_\_\_  
(iii) Bees \_\_\_\_\_  
(iv) Mosquito \_\_\_\_\_

47. **Use the diagram below to answer the questions that follow.**



(a) Identify the type of simple machine this tool above belongs.

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(b) Write one situation where conveyer belt is used.

---

(c) What force will be needed to lift a load of 60N using a single fixed pulley system?

---

(d) State one property of friction.

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48. (a) Name any one by product of respiration.

---

(b) Give a reason why the kidneys are considered excretory organs.

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(c) Which structures in the lungs helps in gaseous exchange?

---

(d) Identify one disease of the liver which can be prevented by immunization.

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49. (a) Differentiate between Drug Misuse and Drug Abuse.

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(b) State one way how people misuse drugs.

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(c) Write down one effect of drug abuse.

---

(d) Give one life skill a P.7 pupil sitting mock exams in 2017 can develop against Drug dependency.

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50. (a) Mention one raw material needed for the process of photosynthesis.

---

(b) State one way how leaves of green plants are adapted for the process of photosynthesis.

---

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(c) Write one reason why transpiration is very important to a mango tree.

---

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(d) Which part of the stem of a plant do we always find the leaves?

---

51. Identify the elements of Primary Health Care which are promoted by the following activities;

(a) Passing PIASCY message during assembly.

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(b) Caring for expectant mothers and child birth rates of childhood.

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(c) Sweeping the class room.

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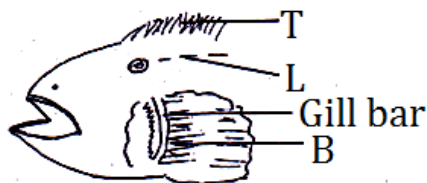
(d) Sending pupils with unkempt hairs to go and shave.

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52. Complete the table below correctly.

| Blood Vessels  | From       | To    | Types of Blood      |
|----------------|------------|-------|---------------------|
| Venacava       | Body       | i)    | De-oxygenated blood |
| Aorta          | Heart      | Body  | ii) .....           |
| Pulmonary Vein | iii) ..... | Heart | Oxygenated blood    |
| iv) .....      | Heart      | Lungs | De oxygenated blood |

53. (a) Apart from giving us energy, give one other importance of carbohydrates in our diet. \_\_\_\_\_  
 \_\_\_\_\_  
 (b) State the deficiency disease which can result from lack of Vitamin A in our diet. \_\_\_\_\_  
 (c) Mention one traditional way of food preservation. \_\_\_\_\_  
 \_\_\_\_\_  
 (d) Give one way of preparing local dishes (food). \_\_\_\_\_  
 \_\_\_\_\_
54. (a) What term is used to mean the cleanliness of oneself and the things he or she uses? \_\_\_\_\_  
 (b) State two importance of keeping our beddings and things clean.  
 (i) \_\_\_\_\_  
 (ii) \_\_\_\_\_  
 (c) Mention one disadvantage of sharing underpants, pads and razorblades used by others. \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
55. ***The diagram below is of a fish. Use it to answer the questions that follow.***



- (a) Name the part labeled B and T.  
 (i) B \_\_\_\_\_  
 (ii) T \_\_\_\_\_
- (b) What is the function of the gill bar shown above?  
 \_\_\_\_\_  
 \_\_\_\_\_
- (c) Which main organ in the body of a cat serves the same purpose as part marked L on the body of the fish?  
 \_\_\_\_\_  
 \_\_\_\_\_

\*\*\*\*\***GOD BLESS**\*\*\*\*\*



# PRIMARY LEAVING MOCK EXAMINATIONS

## P.7 MATHEMATICS – SET 025

Time allowed: 2 Hours 30 minutes

Candidates' Names: .....

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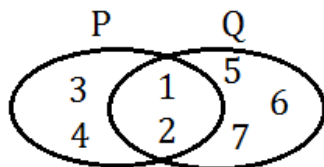
### SECTION A (40 Marks)

1. Multiply

$$\begin{array}{r} 203 \\ \times 4 \\ \hline \\ \hline \end{array}$$

2. Write in figures: Forty six thousand nine.

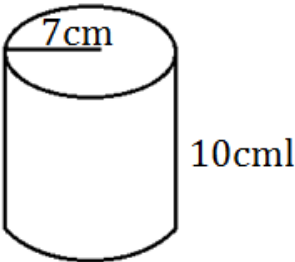
3. In the Venn diagram below, find the complement of set P( $P'$ )



4. Find the sum of the next two numbers in the sequence 1, 4, 9, 16, \_\_\_\_\_, \_\_\_\_\_

5. Workout:  $-2 + +9$

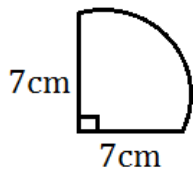
6. Find the median of 2, 3, 3, 6, 4

|   |   |
|---|---|
| <p>7. After a distance of 40km, Mary still had <math>\frac{3}{4}</math> to cover. How long was the whole journey?</p>           | <p>8. Construct an angle of <math>60^\circ</math> in the space below.</p>   |
| <p>9. Add: <math>31_{\text{five}} + 44_{\text{five}}</math></p>   | <p>10. Increase shs.1,200 in a ratio 4:3</p>  |
| <p>11. A forty minute lesson started at 11:00a.m when did it end?</p>   | <p>12. Simplify <math>4n - 7m + 6n + 11m</math></p>   |
| <p>13. Find the volume of the cylinder.</p>  | <p>14. Musa deposited shs 80,000 in a bank at a simple interest rate of 2% per month for 5 months. Find the interest earned after 5 months.</p> |

15. Four mangoes cost shs.800. What is the cost of 12 similar mangoes?

16. The bearing of Masaka town from Nyendo is  $070^\circ$ . What is the bearing of Nyendo from Masaka town?

17. Work out the perimeter of the quadrant below (use  $\pi = \frac{22}{7}$ )



18. A farmer collected CXLIV eggs. Express the number in Hindu Arabic numerals.

19. Find the least number when divided by 6 or 8 leaves a remainder of 2.

20. Solve for x:  $2(x + 3) = 18$

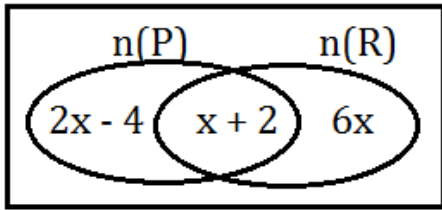
### SECTION B

21. The table below shows marks scored by pupils in P.6. Use it to answer questions that follow.

|                         |    |    |    |    |    |
|-------------------------|----|----|----|----|----|
| <b>Marks obtained</b>   | 30 | 50 | 78 | 22 | 61 |
| <b>Number of pupils</b> | 2  | 3  | 2  | 1  | 2  |

|   |  |
|---|--|
| a) How many pupils did the test? (1mk)  |  |
| b) Find the modal mark. (1mk)   | c) Calculate the mean mark. (3mks)                   |
| 22(a) Find the sum of the value of 7 and value of 3 in 7432. (3mks)   | b) Change $101_{\text{two}}$ to decimal base. (2mks) |
| 23. Tap A takes 3 hours to fill the tank and tap B takes 4 hours to draw water from the tank. How many hours will it take to fill the tank if both taps are left open? (5mks) |  |

24. The Venn diagram below shows number of pupils who like posho (P) and rice (R). Use it to answer the questions that follow. If  $n(P) = 16$



(a) Find the value of  $x$ .

(2mks)

b) Find the number of pupils who like posho and rice only. (2mks)

c) Find the probability of picking a pupil who like both posho and rice. (1mk)

25. A bag of sugar weighing 50kgs, costs shs 80,000

a) What is the cost of each kilo? (2mks)

b) At what price will I sell each kilogram to gain 20% profit? (2mks)

26. A man spends his money as follows  $\frac{1}{4}$  on food,  $\frac{1}{3}$  on rent and  $\frac{5}{12}$  on others. Use the information above and draw a pie chart (use radius 3cm) (5mks)

27. Peter, Rose, Sarah and Musa shared money in a ratio 2:3:4:.. If Rose got shs 1500,

a) How much money was shared altogether? (2mks)

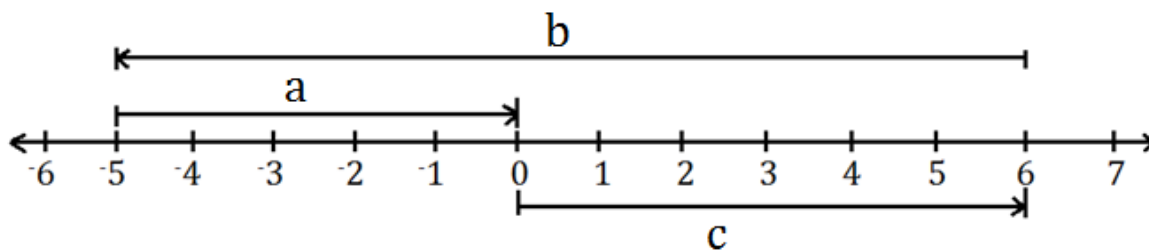
b) How much money did Musa get more than Rose? (3mks)

28. The interior angle of a regular polygon is  $120^\circ$  more than its exterior angle.

a) Find the exterior angle. (3mks)

b) Name the polygon. (2mks)

29. Study the number line below and use it to answer the questions that follow.



a) Name the integer represented by each arrow (3mks)

i)  $a =$  \_\_\_\_\_

ii)  $b =$  \_\_\_\_\_

iii)  $c =$  \_\_\_\_\_

b) Write down the mathematical sentence for the above. (2mks)

|   |  |
|---|--|
| <p>30(a) Workout <math>\frac{0.72 \times 0.08}{0.9 \times 0.4}</math> (3mks)</p>  | <p>b) Change 0.2727.....as a common fraction. (2mks)</p> |
| <p>31. The sum of 4 consecutive even numbers is 52.<br/>a) Find the numbers. (3mks)</p>   |  |
| <p>32. A bus left Masaka travelling at a speed of 90km/hr for 3 hours to Kampala and then continued to Mukono at speed of 50k/hr for 2 hours.<br/>a) Find the total distance of the whole journey. (2mks)</p> |  |

b) Find the average speed for the whole journey.

(3mks)

**\*\*\*\*\**GOD BLESS*\*\*\*\*\***



# PRIMARY LEAVING MOCK EXAMINATIONS

## P.7 INTEGRATED SCIENCE – SET 027

Time allowed: 2 Hours 15 minutes

Candidates' Names: .....

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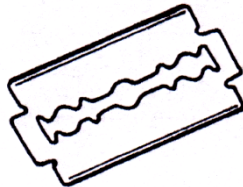
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### **SECTION A (40 Marks)**

**Questions 1 to 40 carry one mark each**

1. Name any one layer of soil.  
\_\_\_\_\_
2. Which health practice can be done to protect our teeth from being attacked by bacteria? \_\_\_\_\_  
\_\_\_\_\_
3. Apart from water, name any one material needed for photosynthesis to take place.  
\_\_\_\_\_
4. How can the spread of sleeping sickness be controlled?  
\_\_\_\_\_  
\_\_\_\_\_

**The diagram below shows a material used for hygiene. Use it to answer the question that follow.**



5. To which group of simple machines does the material shown above belong?  
\_\_\_\_\_  
\_\_\_\_\_
6. Name the process by which ice change to water.  
\_\_\_\_\_
7. What is the immediate treatment given to an accident victim before being taken to hospital? \_\_\_\_\_  
\_\_\_\_\_
8. Give one way in which charcoal can be conserved at home.  
\_\_\_\_\_
9. In which one way is food useful to the body?  
\_\_\_\_\_
10. Which human body organ helps to tell change in temperature in the environment? \_\_\_\_\_

11. Give one weather instrument kept in a Stevenson screen.

12. Name one area in a home which must be kept clean.

13. State one way in which an onion reproduces.

***The diagram below shows a garden tool. Use it to answer the question that follows.***



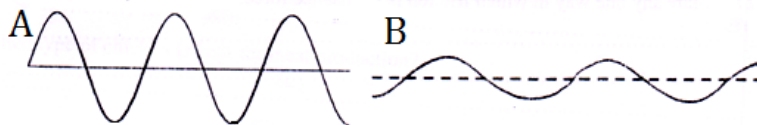
14. Name the garden tool shown in the diagram above.

15. How do plants depend on water?

16. Why do rural crop farmers smear their bean seeds with cow dung before storage?

17. Give the importance of keeping proper sanitation of latrines and toilets.

***The diagram below shows two different waves A and B. Use them to answer the question that follows.***



18. How is the sound produced by the two waves different?

19. Why should bee hives be located in a place with many trees?

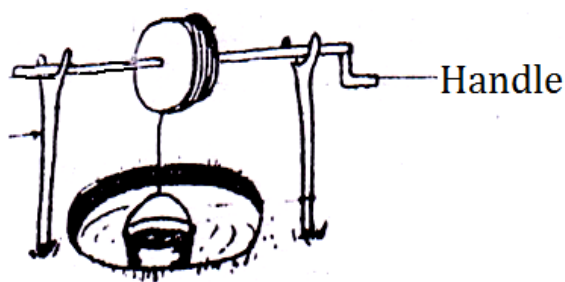
20. State one importance of ironing clothes before wearing them.

21. Apart from bacteria, give one other kind of organism which causes diseases.

22. State one quality of humus which makes it important for crop growing in loam soil.

23. Apart from the teeth, state the other substance which acts on cooked cassava in the mouth.
- 
- 
24. How is penicillium an important fungus?
- 
- 
25. Which immunisable disease is spread by aedes mosquito?
- 
26. What is air? \_\_\_\_\_
- 
27. State any one way in which friction is a nuisance force.
- 
- 
28. Why is rainfall measured in millimeters which are units of length?
- 
- 
29. How does mono cropping lead to low crop yield?
- 
- 
30. Give a reason why a slug is called an invertebrate.
- 
- 
31. How does a bee protect itself from enemies?
- 
32. Give any one way in which Primary Health Care programmes are important in a community.
- 
- 
33. In which one way is heat transfer by radiation useful to human beings?
- 
- 
34. Why does the air we breathe in contain more oxygen than the air we breathe out?
- 
- 
35. Which parasite spreads East Fever to cattle?
- 
36. How are ferns similar to mosses in the way they reproduce?
- 
- 
37. Which type of chicken is kept for meat production?
- 
38. Name the type of alcohol which is poisonous to people. \_\_\_\_\_
-

39. In the diagram below, show with an arrow the direction of movement of the bucket when the handle is turned clockwise.



40. Apart from compost manure, name one type of natural fertilizers.

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**SECTION B (60 Marks)**

**Questions 41 to 55 carry four marks each**

41. (a) Name the form of energy stored in a dry cell.

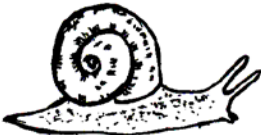



(b) State the similarity and difference of a dry cell and a car battery as sources of electricity.

(i) Similarity: \_\_\_\_\_

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

(c) Give the function of the top seal on a dry cell.

42. *The table below is about disease vectors. Use it to answer the questions that follow. Complete it by writing one disease spread by each vector.*

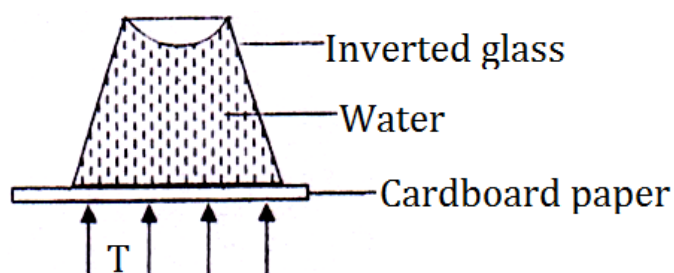
|  |  |
|--|--|
| i)<br>  | iii)<br> |
| ii)<br> | iv)<br>  |

43. (a) Name the kind of movable joint found at the knee.
- 
- (b) Apart from the knee, give one other example of the above type of joint.
- 
- (c) State the way in which the joint at the knee is different from that at the shoulder.
- 
- (d) Mention any one form of movement which joints allow in the human body.
- 

44. (a) What are cold blooded animals?
- 
- (b) Apart from fish, state any two other groups of cold blooded animals.
- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_
- (c) How does a lateral line enable a fish to live in water?
- 

45. (a) Name one class of plants.
- 
- (b) Which group of flowering plants have net work veins in the leaves and tap root system?
- 
- (c) How do plants which use self dispersal disperse their seeds?
- 
- (d) State any one benefit of seed dispersal.
- 

***The diagram below shows one of the properties of air. Use it to answer the questions that follow.***



46. (a) Name the substance represented by letter T.
-

(b) Why can't the cardboard paper fall off the inverted glass?

(c) State the property of air illustrated in the diagram above.

(d) Give a way in which the above property in (c) is helpful when drinking soda.

47. (a) Apart from cholera, mention one other immunisable water borne disease.

(b) Why does cholera cause quick death to an infected person?

(c) Of what importance is ORS during the treatment of cholera?

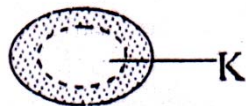
(d) Give a reason why a cholera patient should be treated in isolation?

48. (a) Name the components of blood which play the following roles in the body.

(i) Clotting blood

(ii) Carrying antibodies and hormones

(b) ***The diagram below is of a type of blood cell. Use it to answer the questions that follow.***



(i) Name part marked K in the diagram above.

(ii) State the function of part K in the diagram above.

49. (a) Give the meaning of fever.

(b) Write down any one cause of fever.

(c) Why should hard materials be put in the mouth of a convulsing person?

(d) State the first aid for fever.

50. (a) Apart from wind, state one other element of weather.

(b) How is wind useful in the distribution of rain?

(c) State any one danger of wind in the environment.

(d) How can we protect our homes from dangers of wind?

51. (a) What is the method of grazing cattle where land is divided into small plots that are fenced using barbed wire?

(b) Apart from controlling ticks, state two other advantages of grazing cattle using the above system.

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

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

(c) Give one way in which the system helps to controls ticks on the farm.

52. (a) What is family planning?

(b) Name the permanent artificial method of family planning in;

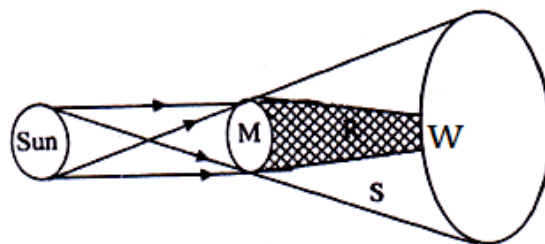
(i) Females \_\_\_\_\_

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

(c) State any one natural means parents can use to space their children in a family.

53. (a) How is a shadow formed?

***The diagram below is of a pin eclipse. Use it to answer the questions that follow.***



(b) Name the regions marked R and S.

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

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

(c) What does a person on earth experience while standing at point W?

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54. (a) What are essential drugs?

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(b) Mention any one quality of an essential drug.

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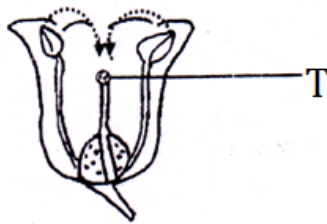
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(c) Give two ways in which essential drugs are important.

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

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

55. ***The diagram below is of a kind of pollination. Use it to answer the questions that follow.***



(a) What is pollination?

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(b) State the type of pollination shown in the diagram above.

---

---

(c) What happens to pollen grains when they land on part T?

---

---

(d) Give one condition which can make the type of pollination shown above fail to occur.

---

---

\*\*\*\*\***GOD BLESS**\*\*\*\*\*



# PRIMARY LEAVING MOCK EXAMINATIONS

## P.7 INTEGRATED SCIENCE – SET 028

Time allowed: 2 Hours 15 minutes

Candidates' Names: .....

Index No.

|  |  |  |  |  |  |  |  |  |  |
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School: .....

### SECTION A (40 Marks)

1. Name one waste product removed from the body by lungs.

\_\_\_\_\_

2. Identify any one method of making alcohol.

\_\_\_\_\_

3. What first aid can be given to a person with high fever?

\_\_\_\_\_

*Use the diagram below to answer question 4.*



4. How are the seeds in the above fruit structure dispersed?

\_\_\_\_\_

5. What name is given to chemicals used to control external parasites of cattle?

\_\_\_\_\_

6. State the function of the embryo of a bird's egg.

\_\_\_\_\_

7. Name the type of thermometer used to measure the highest and lowest temperature of a place.

\_\_\_\_\_

8. In which way is sweating similar to transpiration in plants?

\_\_\_\_\_

\_\_\_\_\_

9. Give any one reason why friction is regarded as a nuisance force.

\_\_\_\_\_

\_\_\_\_\_

10. Name the type of fracture drawn below.



\_\_\_\_\_

\_\_\_\_\_

11. State the use of a strip cup on a cattle farm.

---

---

12. State the role of running water in generation of hydro electricity.

---

---

13. What type of movable joints is found at the elbow?

---

---

14. How is echo useful to a bat?

---

---

15. Mention any one way of storing drugs in a home.

---

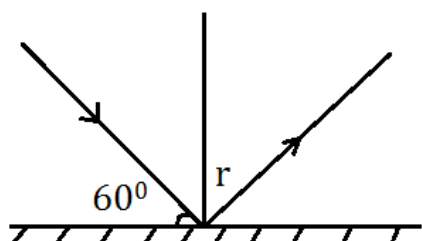
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16. State any one way of caring for seedlings in a nursery bed.

---

---

17. Calculate the angle of reflection in the ray diagram below.



18. Give one structural difference between a canine tooth and an incisor tooth.

---

---

19. Name the major source of water in the environment.

---

---

20. Mention one way of controlling rabbit diseases.

---

---

21. How does a small coin behave when it is dipped in a basin full of water?

---

---

22. Give the reason why the worker bees are said to be sterile female bees.

---

---

23. How best can a P.7 child avoid contracting HIV/AIDS?

---

---

24. State one importance of ironing clothes.

---

---

25. State one way in which people use water heaters in a home.
- 
- 
26. State the difference between mass and weight in terms of their units?
- 
- 
27. Give any one way in which rubbish may become useful to a farmer.
- 
- 
28. What is refraction?
- 
- 
29. Name the type of digestion that involves the use of teeth.
- 
30. Identify the property of a magnet that enables a pilot to locate places.
- 
- 
31. Apart from producing ova, how else are human ovaries important?
- 
- 
32. What is the turning point of a simple machine called?
- 
33. Give the reason why the harvesting of honey is always done in the evening.
- 
- 
34. Suggest one way of caring for human teeth.
- 
35. Mention any one effect of pests on tuber crops.
- 
- 
36. Suggest one way in which electricity is useful in a cement factory.
- 
- 
37. In which way is water an important component of soil?
- 
- 
38. Write the use of a spur to a cock.
- 
- 
39. Name any one example of eye defects.
-

---

*The diagram below is of a snail. Use it to answer question 40.*



40. Name part A.

---

**SECTION B (60 Marks)**

41. (a) What are transparent objects?

---

(b) Give two examples of transparent objects.

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

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

(c) What happens to light when it meets an opaque object?

---

42. (a) Name the instrument used to see bacteria.

---

(b) Give one place in the environment where bacteria are commonly found.

---

(c) Identify any two importances of bacteria in the environment.

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

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

43. (a) How are the following crops propagated;

(i) Sisal?

---

(ii) Cassava?

---

(b) Name any one crop propagated in the same way as sisal.

---

(c) Give any one quality of a good planting material.

---

44. (a) Give two characteristics of chemical changes.

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

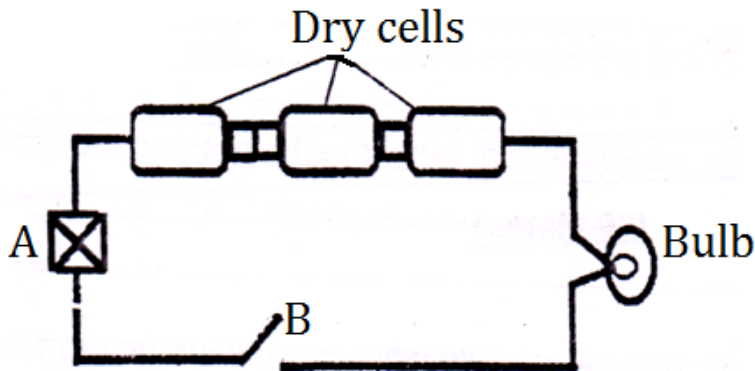
(ii) \_\_\_\_\_

(b) Give any two examples of chemical changes.

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

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

45. *Use an electric circuit drawn below to answer the questions that follow.*



(a) Name parts marked;

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

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

(b) What do you think will happen to the bulb when part B is closed?

\_\_\_\_\_  
\_\_\_\_\_

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

\_\_\_\_\_  
\_\_\_\_\_

46. (a) Name any one component of blood.

\_\_\_\_\_

(b) State two functions of blood in the human body.

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

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

(c) Write down one way of increasing the volume of blood in the body.

\_\_\_\_\_  
\_\_\_\_\_

47. (a) Suggest any two examples of communicable intestinal diseases.

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

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

(b) State two possible ways of controlling communicable intestinal diseases.

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

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

48. (a) What are renewable resources?

---

---

(b) Give two examples of renewable resources in the environment.

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

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

(c) Give one reason why people should care and conserve resources in the environment.

---

---

49. **Match the following crop growing practices with their meanings.**

|          |  |
|----------|--|
| Pruning  | covering of top soil with dry grass              |
| Thinning | removal of unwanted plants in the garden         |
| Weeding  | removal of excess plants in the garden           |
| Mulching | removal of excess branches and leaves on a plant |
|          | leaving land for sometime to rest                |

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

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

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

(iv) Mulching \_\_\_\_\_

50. (a) Name the vector that spreads each of the following diseases;

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

(ii) River blindness \_\_\_\_\_

(b) State any two ways of controlling vectors in the environment.

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

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

51. (a) Give two examples of weather changes in the environment.

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

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

(b) State two ways people use to manage sunny weather.

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

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

52. (a) Give two advantages of keeping poultry under a deep litter system.

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

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

(b) What is the importance of putting litter on the floor of a poultry house?

(c) Why do some layer birds at times lay soft shelled eggs?

53. (a) Under which principle does a pinhole camera work?

(b) Give two characteristics of images formed by a pinhole camera.

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

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

(c) On which part of a pinhole camera are images formed?

54. (a) Give the use of saliva during the digestion of food in the mouth.

(b) Name two important processes that take place in the following parts of the alimentary canal.

(i) Ileum

(ii) Colon

(c) State the reason why vitamins are not digested.

55. (a) Write down two examples of water impurities.

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

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

(b) Mention two methods we use to remove impurities from water.

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

**\*\*\*\*\*GOD BLESS\*\*\*\*\***



# PRIMARY LEAVING MOCK EXAMINATIONS

## P.7 INTEGRATED SCIENCE – SET 029

Time allowed: 2 Hours 15 minutes

Candidates' Names: .....

Index No.

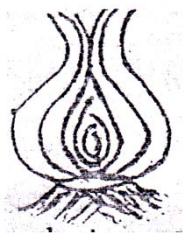
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School: .....

### SECTION A

1. Name the part of air plants needed in the process of photosynthesis.  
\_\_\_\_\_
2. Give any one excretory organ in the human body.  
\_\_\_\_\_
3. Which type of soil is used in a glass factory?  
\_\_\_\_\_
4. How can you differentiate beef cattle from dairy cattle in physical appearance?  
\_\_\_\_\_  
\_\_\_\_\_
5. State any one practice which may prevent hook worm infection.  
\_\_\_\_\_
6. What is the immediate result of fertilization in animals?  
\_\_\_\_\_  
\_\_\_\_\_

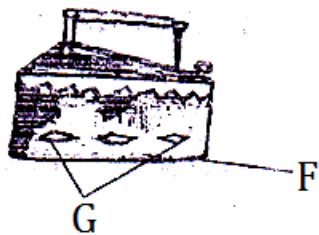
**The diagram below shows an onion. Use it to answer question 7 and 8.**



7. How is the above plant propagated naturally?  
\_\_\_\_\_
8. Use an arrow with letter K to show the stem on the diagram above.  
\_\_\_\_\_
9. Name the larva stage of a culex mosquito.  
\_\_\_\_\_
10. Why is lightning seen before thunder is heard?  
\_\_\_\_\_  
\_\_\_\_\_

11. Give any one example in which the filtration process is used at home.  
\_\_\_\_\_
12. In which way do plants benefit from beetles?  
\_\_\_\_\_
13. Why would it be dangerous for a ten year old girl to remove an adult who is near drowning from water?  
\_\_\_\_\_  
\_\_\_\_\_
14. In which body organ does gaseous exchange take place?  
\_\_\_\_\_
15. Give any one example of storage pests.  
\_\_\_\_\_
16. What scientific name is given to the group of light rays?  
\_\_\_\_\_
17. As a candidate, how can you help your community to control over population?  
\_\_\_\_\_

**The diagram below shows an iron box. Study it and answer questions 18 and 19.**



18. Give the importance of the part marked G.  
\_\_\_\_\_  
\_\_\_\_\_
19. Why is part labeled F made of metal?  
\_\_\_\_\_
20. Write down any one source of food that can control marasmus among children.  
\_\_\_\_\_
21. Why is it not advisable for a P.7 candidate to accept free gifts from strangers?  
\_\_\_\_\_  
\_\_\_\_\_
22. Distinguish between pitch and volume in relation to sound.  
\_\_\_\_\_  
\_\_\_\_\_
23. Which process in human beings has a similar function as transpiration in plants?  
\_\_\_\_\_
24. Besides oiling, give any other method of preventing a metallic object from rusting.  
\_\_\_\_\_

25. What is seed dispersal?

---

---

26. State any one importance of child health card to the parent.

---

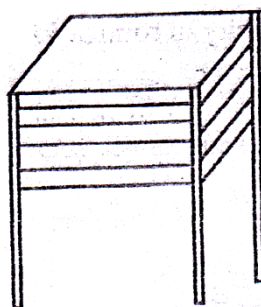
27. How are human teeth important in the process of digestion?

---

28. Give any one type of brooders in poultry keeping.

---

***The diagram below shows a structure found at a weather station. Use it and answer questions 29 and 30.***



29. How important is the above structure at the weather station?

---

---

30. Why is the above structure made up off wood?

---

---

31. Give a reason why it is not advisable to put out fire caused by petrol using water.

---

---

32. What is the importance of a knife during honey harvesting?

---

33. What happens to light rays as they strike the lens that corrects short sightedness?

---

---

34. State any one way in which sunshine may be a disadvantage to a crop farmer.

---

---

35. Why would you encourage people in the community to use electricity rather than wood fuel when cooking food?

---

---

36. What special drug is given during immunization?

---

37. State what will happen to the circuit if a positive terminal of one battery is connected to a positive terminal of the next battery.

---

---

38. Give one similarity between a tadpole and a fish.

---

39. In the space provided below, draw a tap root system.

40. Of what importance is a stretcher in administering first aid?

---

---

### **SECTION B (60 Marks)**

**Question 41 to 55 carry four mark each**

41. (a) Give any two ways of controlling weeds in the garden.

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

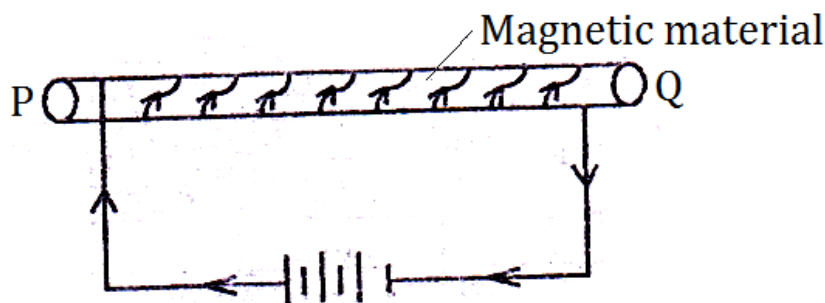
(ii) \_\_\_\_\_

(b) State any two reasons why farmers weed their crops.

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

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

42. **The diagram below shows a method of magnetization. Use it to answer the questions that follow.**



(a) Name the method of magnetization shown in the diagram above.

(b) What can be done to the above diagram in order to increase the strength of a magnet? \_\_\_\_\_

\_\_\_\_\_

(c) Name the kind of magnet that is made by the above method.

(d) What pole side marked Q become?

43. (a) State any two signs of pregnancy in a cow.

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

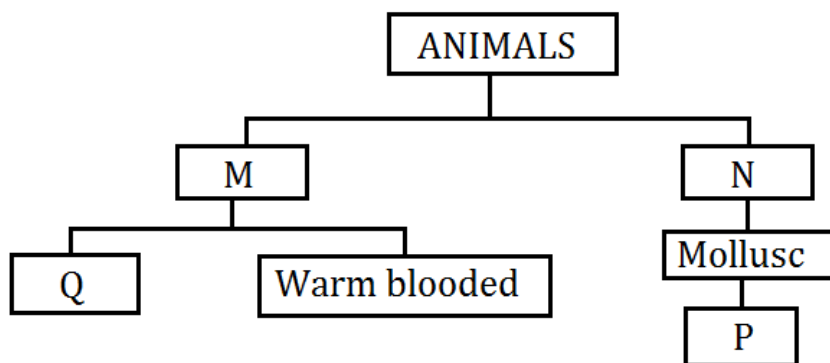
(ii) \_\_\_\_\_

(b) Write down any two advantages of artificial insemination.

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

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

44. ***The table below shows classification of animals. Study it and use it to answer the questions that follow.***



(a) Name the group of animals shown by the following letters.

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

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

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

(b) State any one animal that can be placed in the box labeled P.

45. (a) Write down any two disorders of the digestive system.

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

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

(b) State the use of hydrochloric acid found in the stomach.

(c) Name the finger like structure in the ileum that helps in absorption of digested food.

46. (a) What are farm records?

(b) Write down any two types of records prepared by a poultry farmer.

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

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

(c) State any one importance of farm records to a poultry farmer.

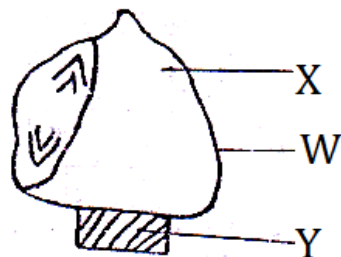
47. **The table below shows parts of an insect in A and those of a fish in B.**

| A         | B            |
|-----------|--------------|
| Spiracles | Mouth        |
| Proboscis | Pectoral fin |
| Antenna   | Gills        |
| Halters   | Lateral line |

For each of the parts of an insect, write the part of a fish from B with similar functions.

- (i) Spiracles \_\_\_\_\_
- (ii) Proboscis \_\_\_\_\_
- (iii) Antenna \_\_\_\_\_
- (iv) Halters \_\_\_\_\_

48. **The diagram below is of a maize grain. Use it to answer the questions that follow.**



(a) Name the parts marked Y and W.

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

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

(b) Give the function of the part marked with letter X.

\_\_\_\_\_

(c) Use letter Z with an arrow to show the part that develop into a shoot system during germination.

49. (a) State any two materials used in making of Biogas.

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

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

(b) Give any one use of Biogas.

\_\_\_\_\_

(c) Why is decomposition method of making Biogas called anaerobic?

---

---

50. (a) What causes fainting?

---

---

(b) Give any two conditions that lead to fainting.

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

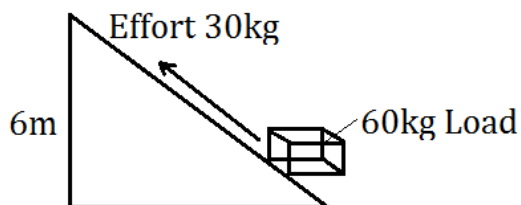
(ii) \_\_\_\_\_

(c) State any one quality of a good first aider.

---

---

51. ***The diagram below shows a type of machine. Study it carefully and use it to answer the questions that follow.***



(a) Name the type of simple machine shown in the diagram.

---

---

(b) What distance is the load to the lifted?

---

---

(c) Give any one example of the above machine.

---

---

(d) Work out the mechanical advantage of the machine above.

---

---

52. (a) Give any two signs of poor sanitation in an area.

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

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

(b) Suggest one activity that can be done to promote personal hygiene.

---

---

(c) How does sanitation differ from personal hygiene?

---

---

53. (a) Give any two ways in which bacteria are useful.

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

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

(b) State any one type of bacteria.

---

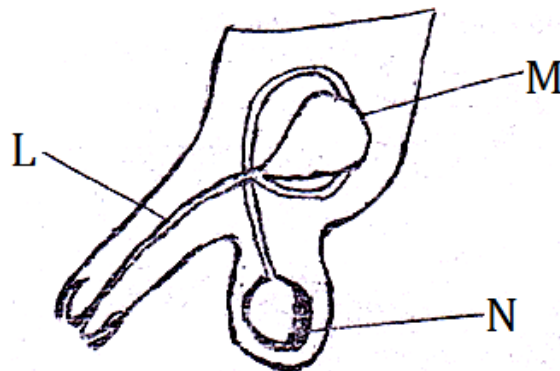
---

(c) Apart from producing spores, give one way how other fungi reproduce.

---

---

54. ***The diagram below shows the male reproductive organ. Study it and answer the questions.***



(a) Name the parts labeled N and M.

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

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

(b) Give the function of the part marked N.

---

---

(c) Which sexually transmitted disease affects the part labeled L?

---

---

55. (a) Write down any two examples of poisonous snakes.

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

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

(b) Give any one sign of snake bites on the victim.

---

---

(c) How are poisonous snakes adapted for injecting venom into a victim?

---

---

\*\*\*\*\***GOD BLESS**\*\*\*\*\*



# PRIMARY LEAVING MOCK EXAMINATIONS

## P.7 INTEGRATED SCIENCE – SET 030

Time allowed: 2 Hours 15 minutes

Candidates' Names: .....

Index No.

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School: .....

### SECTION A

1. Apart from honey, what else do people get from bees?

\_\_\_\_\_

2. State the value of root cap to a root system.

\_\_\_\_\_

3. Identify one limbless reptile that undergoes molting.

\_\_\_\_\_

4. Give one way of controlling soil erosion in hilly areas.

\_\_\_\_\_

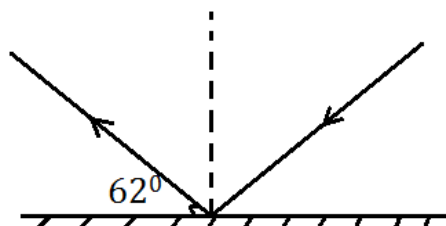
5. Name the organ that filters blood in the body.

\_\_\_\_\_

6. Write the surest way one can know his/her HIV status.

\_\_\_\_\_

7. Calculate the angle of incidence in the diagram about figure.



8. Give one way you can protect your feet from mud on a rainy day.

\_\_\_\_\_

9. In which part of the lungs does gaseous exchange take place?

\_\_\_\_\_

10. State any one sign of dehydrated child in community.

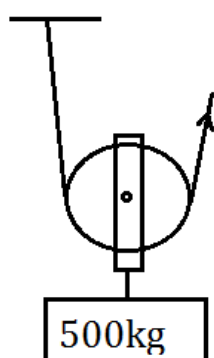
\_\_\_\_\_

11. Give any one reason why farmers should keep records on a farm.

\_\_\_\_\_

12. A stone of 42g was put in a measuring cylinder and displaced 7cc of water. Find the density of that stone?
13. Give one reason for covering walls of the cinema halls with woolen blankets.
- 
- 
14. How is the human heart adapted to its function of pumping blood to all body parts? \_\_\_\_\_
- 
15. Why is it important for us to remove food that is stuck between our teeth?
- 
16. In which way is a dip tank an important farm structure?
- 
- 
17. Suggest any one way how crop rotation improves crop yield in a farm.
- 
- 

***The diagram below shows a simple movable pulley.***



18. Calculate the effort used to move the load.

19. Name any one component of soil.
- 
20. State how the sun helps in the water cycle.
- 
- 
21. When paraffin and water are poured in the same container, paraffin floats. What could be the reason?
- 
-

22. Draw a garden tool used for digging hard soils.
23. Why do animals make noise?
- 
24. Name one duty of sterile female bee in the hive.
- 
25. Which type of digestion involves the use of enzymes?
- 
26. How is photosynthesis useful in the environment?
- 
27. Name the part of fish that acts like steering wheels of a car.
- 
28. What is the reason for having water in flush toilets?
- 
29. Mention any one reason why most moving parts of machines have ball bearings.
- 
30. Give any one importance of sweating to the human body.
- 
31. Give one reason why measles vaccine is administered to a child at 9 month not at birth.
- 
32. Malaria is a common disease in Uganda with many signs and symptoms. Write down any one symptom of malaria.
- 
33. Name any one way water is used as a resource.
- 
34. In which way are markets useful to a farmer?
- 
35. Identify any one danger caused by drug abuse to a community.
- 
36. Write down any one way the youth can avoid ant social behavior.
-

37. Draw any one diagram to prove that “air exerts pressure”

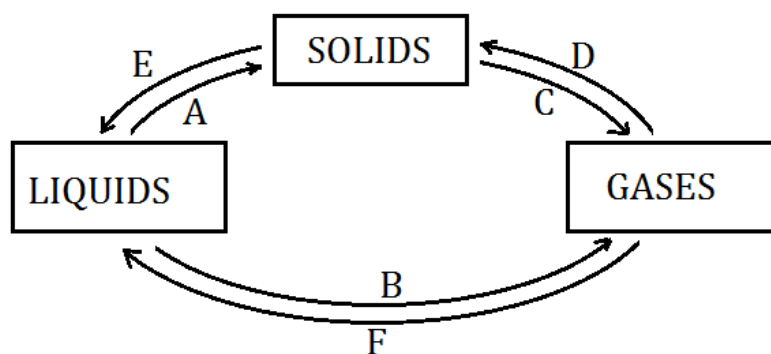
38. Identify any one way of caring for our teeth.

39. State any one danger of using sharp objects to remove wax from our ears.

40. State the property of magnetism that enables a bar magnet to show direction.

### SECTION B

41. Use the illustration about states of matter and answer the given questions.



Identify the changes of state represented by

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

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

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

(iv) E \_\_\_\_\_

42. (a) Write down any two functions of the human skin.

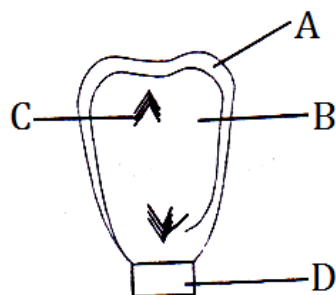
(i) \_\_\_\_\_

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

(b) Give any one fungal disease that affects the skin.

(c) Suggest any one way you can avoid skin diseases.

43. The diagram below is a maize grain. Use it to answer the following questions.



(a) How is part marked D useful to the grain?

\_\_\_\_\_

(b) What does the part marked C become during germination.

\_\_\_\_\_

(c) What is the importance of part marked A?

\_\_\_\_\_

(d) Which of the parts is not important in germination?

\_\_\_\_\_

44. Match the vectors to the diseases correctly.

| Vectors    | Disease           |
|------------|-------------------|
| Aedes      | Sleeping sickness |
| Housefly   | Plague            |
| Rat fleas  | Yellow fever      |
| Tsetse fly | Cholera           |

(i) Aedes

\_\_\_\_\_

(ii) Housefly

\_\_\_\_\_

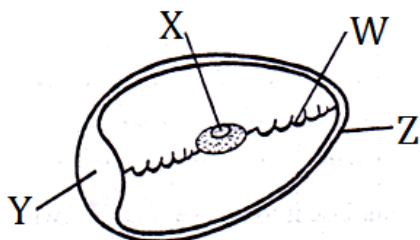
(iii) Rat fleas

\_\_\_\_\_

(iv) Tsetse fly

\_\_\_\_\_

45. Study the diagram of an egg carefully and answer the questions that follow.



(a) Name the parts marked

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

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

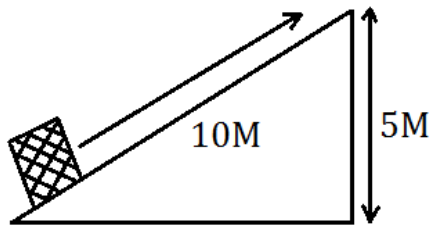
(b) How useful is part marked Y to the developing embryo?

---

(c) How is part marked Z adapted to its function?

---

46. ***The diagram below shows an example of a machine. Use it to answer questions that follow.***



(a) Name the machine.

---

(b) Find the distance moved by

(i) The load

(ii) The effort

(c) What can be done to the above machine to use less than 50kg to pull up the load? \_\_\_\_\_

---

47. (a) Name any two classes of people with special needs in your community.

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

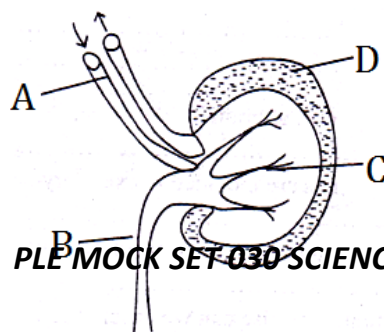
(ii) \_\_\_\_\_

(b) Give any two activities done at home to help special needs for people.

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

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

48. ***The diagram below is a cross section of a human body organ. Use it to answer questions that follow.***



(a) Name the parts marked with letter B and C.

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

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

(b) Identify any one disease that affects the organ above.

\_\_\_\_\_

(c) In which one way can a person care for the above body organ?

\_\_\_\_\_

49. (a) Name the force that opposes the movement of bodies.

(b) List down any two uses of friction.

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

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

(c) Suggest one way you can reduce friction.

\_\_\_\_\_

50. (a) Give one reason why solar panels are painted black?

\_\_\_\_\_

(b) Write down any one advantage of using solar electricity over hydro electricity. \_\_\_\_\_

\_\_\_\_\_

(c) Which form of energy from the sun helps plants to make their own food?

\_\_\_\_\_

(d) Apart from solar panels, name one other device that helps us to use energy from the sun.

\_\_\_\_\_

51. (a) Give any two ways in which you can be involved in keeping the school environment clean.

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

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

(b) Name two processes you can prepare clean water for washing.

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

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

52. (a) Name any one animal that possesses endo-skeleton.

\_\_\_\_\_

(b) Other than protection, give two other functions of the skeleton.

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

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

(c) Which part of skeleton protects the brain?

53. (a) State any one reason why lungs are included in excretory organs.  
\_\_\_\_\_  
\_\_\_\_\_
- (b) Write one reason why people tend to urinate frequently on cold days.  
\_\_\_\_\_
- (c) Apart from proper nutrition, how else can we ensure proper functioning of the lungs? \_\_\_\_\_  
\_\_\_\_\_
- (d) Name another body organ which does the same work of excretion as lungs.  
\_\_\_\_\_
54. (a) What is a magnet?  
\_\_\_\_\_  
\_\_\_\_\_
- (b) Give any two methods of making a magnet.  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_
- (c) Identify one way of demagnetizing a magnet.  
\_\_\_\_\_  
\_\_\_\_\_
55. (a) State any two causes of dehydration.  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_
- (b) Write down any two signs of a dehydrated person.  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_

\*\*\*\*\***GOD BLESS**\*\*\*\*\*



# PRIMARY LEAVING MOCK EXAMINATIONS

## P.7 INTEGRATED SCIENCE – SET 031

Time allowed: 2 Hours 15 minutes

Candidates' Names: .....

Index No.

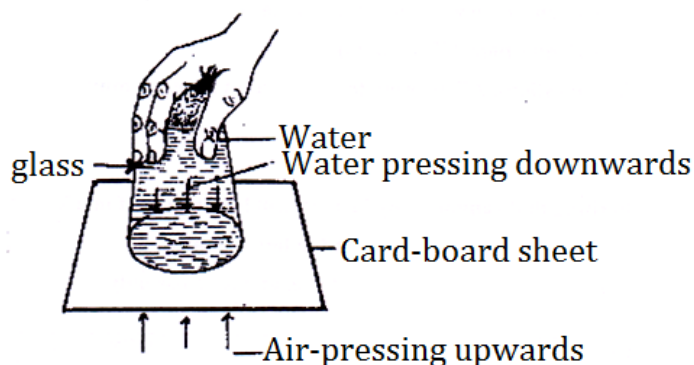
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School: .....

### SECTION A (40 Marks)

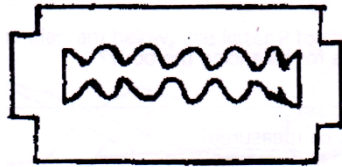
1. Name the sense organ which tells that tea is sweet.  
\_\_\_\_\_
2. What problem develops in the ear when the eardrum bursts?  
\_\_\_\_\_
3. Why is forest conservation encouraged in Uganda?  
\_\_\_\_\_
4. How is a plate stand useful to people in a home?  
\_\_\_\_\_
5. Identify the type of joint which gives a wide range of movements in the body.  
\_\_\_\_\_
6. Give one advantage of bio-gas production to the environment.  
\_\_\_\_\_  
\_\_\_\_\_

**Study the experiment below and answer question number 7.**

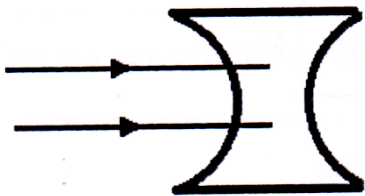


7. What does the experiment above prove about air?  
\_\_\_\_\_  
\_\_\_\_\_
8. Give one effect of polio infection on an individual.  
\_\_\_\_\_
9. Why is friction said to be a nuisance force?  
\_\_\_\_\_

*Use the diagram given below to answer question 10.*



10. Name the machine shown in the diagram above.  
\_\_\_\_\_
11. State one similarity between a rat and a bat as mammals.  
\_\_\_\_\_  
\_\_\_\_\_
12. Which type of blood cells are destroyed by plasmodia germs?  
\_\_\_\_\_
13. How do humans get infested by tapeworms?  
\_\_\_\_\_
14. How is a short circuit dangerous in a home?  
\_\_\_\_\_  
\_\_\_\_\_
15. How do animals make use of the gas given out by plants during respiration?  
\_\_\_\_\_  
\_\_\_\_\_
16. Complete the diagram given below.



17. What problem is Jennifer likely to face if she eats food with dirty hands?  
\_\_\_\_\_
18. Why is rubber and plastic used to insulate electric wires?  
\_\_\_\_\_
19. Name one object which floats on water.  
\_\_\_\_\_
20. Which type of teeth is used for cutting food?  
\_\_\_\_\_
21. Which human organ of the body is used for balance?  
\_\_\_\_\_
22. How is the volume of an irregular object be measured?  
\_\_\_\_\_

23. Give one danger of cultivating in wetlands.

---

---

24. Why is sand soil not good for crop growing?

---

---

25. Identify one secondary sexual characteristic that takes place in both boys and girls.

---

---

26. How is a dustbin useful in a school?

---

---

27. Give one method of making a temporary magnet.

---

---

28. How is wind used as an energy resource?

---

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29. Find the value of P in the diagram given below.



30. Why is it important to tie a tourniquet between the heart and the bite of a snake when giving first aid to a victim of a snake bite?

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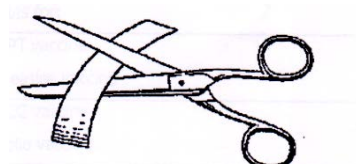
31. Which vector is responsible for spreading sleeping sickness in humans?

---

---

32. A block of wood has a mass of 24g and a density of 4g/cc. Find its volume.

33. On the diagram below, use letter P to show the position of the pivot.



34. Which immunisable disease makes the muscles of a person stiff?

35. Give one use of saliva in the digestion of food.

36. How is the skin an important organ on a human body?

37. Suggest one health habit that keeps the kidneys healthy.

38. State one use of light from the sun in the environment.

39. Give one disadvantage of the free range system of keeping poultry.

40. How is a vent pipe important on a VIP latrine?

### ***SECTION B (60 Marks)***

41. (a) Give one example of poultry.

(b) Why do farmers keep dual purpose birds?

(c) Give one advantage of battery cage system of keeping poultry.

(d) Identify a poultry disease caused by protozoa.

42. (a) What is dehydration?

(b) Give one sign of dehydration.

(c) Mention one cause of dehydration.

(d) How can dehydration be controlled?

43. (a) What is organic manure?

(b) Name any two types of organic manure.

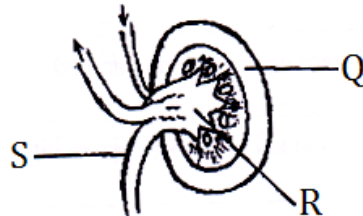
(i) \_\_\_\_\_

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

(c) State one disadvantage of artificial fertilizers in crop farming.

\_\_\_\_\_

44. ***The diagram below is of a human kidney. Use it to answer the questions that follow.***



(a) Name the part labeled R.

\_\_\_\_\_

(b) What activity is carried out at Q?

\_\_\_\_\_

(c) To which body part does part labeled S connect?

\_\_\_\_\_

(d) Give one disease that affects the kidneys.

\_\_\_\_\_

45. ***The diagram below is of a baby who received immunization. Show the immunization sites for;***

(i) DPT vaccine

(ii) Measles vaccine

(iii) BCG vaccine

(iv) Polio vaccine



46. (a) Give any two ways animals depend on plants.

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

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

(b) Suggest one way plants depend on animals.

\_\_\_\_\_

(c) State one way animals depend on other animals.

---

---

47. (a) How is sound energy produced?

---

---

(b) Why do we store sound?

---

---

(c) Give one factor that determines the pitch of sound.

---

---

(d) Name one percussion instrument.

---

---

48. (a) State one way of preserving milk.

---

---

(b) Why is inbreeding a bad practice on a farm?

---

---

(c) How is colostrum milk good for a calf?

---

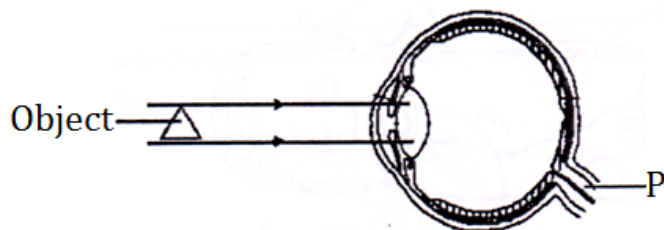
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(d) Name one viral disease in cattle.

---

---

49. ***The diagram shows a human eye. Use it to answer the questions about it.***



(a) Name the part labeled with letter P.

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---

(b) Draw the image of the object in the diagram of the eye above.

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---

(c) State the importance of the cornea in a human eye.

---

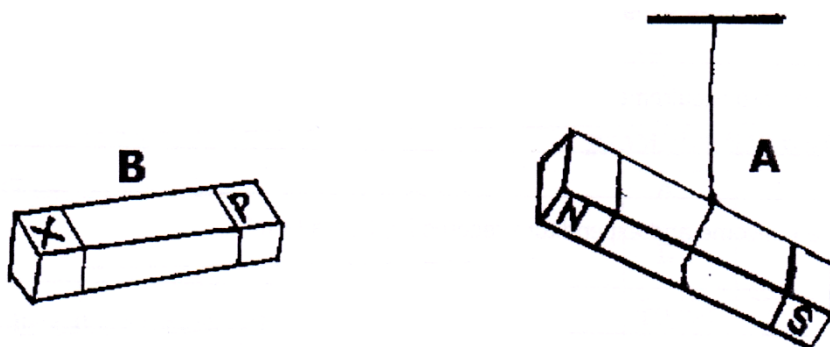
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(d) Name one eye defect.

---

---

50. (a) Identify the two types of pollination.  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_  
(b) Give one agent of pollination.  
\_\_\_\_\_  
(c) How is pollination important in plants?  
\_\_\_\_\_  
\_\_\_\_\_
51. (a) Give one difference between germination in monocotyledons and dicotyledonous seeds.  
\_\_\_\_\_  
\_\_\_\_\_  
(b) Mention one condition required for seed germination.  
\_\_\_\_\_  
(c) Apart from using chemicals, give two other ways of controlling pests.  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_
52. ***The diagram shows a freely suspended magnet A. Magnet B was brought close to it as shown.***



- (a) Name pole P of magnet B.  
\_\_\_\_\_
- (b) Why did magnets A and B remain apart as shown in the diagram?  
\_\_\_\_\_  
\_\_\_\_\_
- (c) Give one way of demagnetizing magnets.  
\_\_\_\_\_
- (d) How are magnets useful in our environment?  
\_\_\_\_\_  
\_\_\_\_\_
53. (a) Give two uses of carbon dioxide in our daily life.  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_

(b) Apart from carbon dioxide, name one other gas found in air.

(c) State one disadvantage of wind in the environment.

54. (a) Name the blood vessel that carries deoxygenated blood from the body to the heart.

(b) What type of blood is carried by the Aorta?

(c) State one function of blood in the body.

(d) How is HIV / AIDS dangerous to the circulatory system?

55. (a) Give any two requirements for starting a farm.

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

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

(b) Why are income and expenditure records kept on a farm?

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

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

\*\*\*\*\***GOD BLESS**\*\*\*\*\*



# PRIMARY LEAVING MOCK EXAMINATIONS

## P.7 INTEGRATED SCIENCE – SET 033

Time allowed: 2 Hours 15 minutes

Candidates' Names: .....

Index No.

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School: .....

### **SECTION A (40 Marks)**

**Questions 1 to 40 carry one mark each**

1. Name any one animal that defends itself by stinging its enemies.

\_\_\_\_\_

2. Mention one cereal crop in the environment.

\_\_\_\_\_

3. Give the water borne disease that attacks the liver.

\_\_\_\_\_

4. How is the role of a queen bee different from that of a drone bee in a hive?

\_\_\_\_\_

\_\_\_\_\_

5. Mention one effect of alcohol to one's health.

\_\_\_\_\_

6. Name the type of compound leaf drawn below.



\_\_\_\_\_

\_\_\_\_\_

7. Why don't female anopheles' mosquitoes spread HIV and AIDS?

\_\_\_\_\_

\_\_\_\_\_

8. Give the function of webs on the feet of swans.

\_\_\_\_\_

\_\_\_\_\_

9. What is the importance of a switch in an electric circuit?

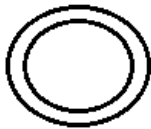
\_\_\_\_\_

10. On which part of an insect are legs attached?

\_\_\_\_\_

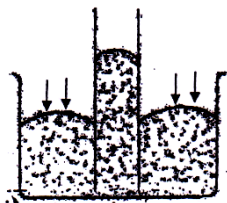
11. Mention any one tick borne disease in cattle.  
\_\_\_\_\_
12. State the main reason why farmers rear Romney Marsh sheep.  
\_\_\_\_\_  
\_\_\_\_\_
13. Name the bone that joins the ribs from the front part of the chest.  
\_\_\_\_\_
14. Which form of energy is converted to heat energy when wood burns?  
\_\_\_\_\_

***Use the diagram below to answer questions 15 and 16.***



15. Name the blood cell drawn above.  
\_\_\_\_\_
16. How is the blood cell above adapted to its function?  
\_\_\_\_\_  
\_\_\_\_\_
17. Mention any one device for reproducing sound.  
\_\_\_\_\_
18. State one health problem that can affect the community due to poor sanitation.  
\_\_\_\_\_
19. Which part of a mushroom performs a similar role as seeds in millet?  
\_\_\_\_\_
20. Why is a stone not regarded as a living thing?  
\_\_\_\_\_  
\_\_\_\_\_
21. State one secondary sex characteristic common to both boys and girls.  
\_\_\_\_\_  
\_\_\_\_\_
22. Name the force which makes objects to weigh less when placed in water.  
\_\_\_\_\_

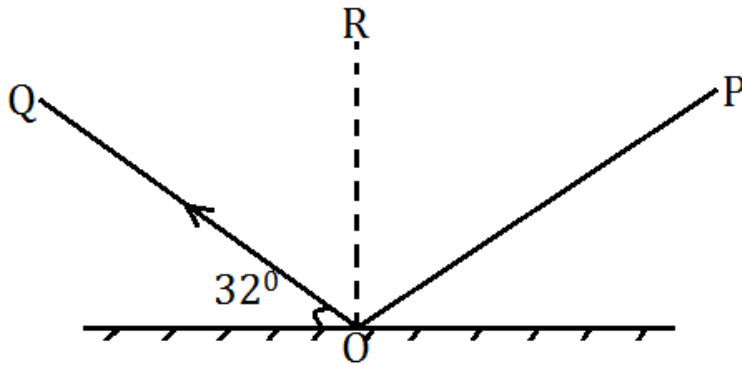
***The diagram below is of a weather instrument. Use it to answer the question that follows.***



23. How is the above instrument important at a weather station?  
\_\_\_\_\_

24. In which one way can farmers improve their local breeds of poultry?
- 
- 
25. Mention the class of levers where the effort is located between the load and pivot.
- 
26. Give any one effect of silting to the environment.
- 
- 
27. Write down one reason for giving First Aid.
- 
28. Mention the component of air that occupies the largest percentage.
- 
29. Why should the distance between a latrine and a water source be at least 30 metres?
- 
- 
30. How does keeping food in a fridge help to preserve it?
- 
- 
31. Why do animals move from one place to another apart from looking for food?
- 
- 
32. Name the type of teeth suitable for tearing food.
- 
33. Why is a fire extinguisher brightly coloured?
- 
- 
34. Which vaccine is given to girls of 15 years and above?
- 
35. Give one reason why a rabbit house is raised above the ground.
- 
- 
36. Name one example of a voluntary muscle in the body.
- 
37. State one way of demagnetizing a magnet.
- 
- 
38. Name the farming practice which enables a farmer to harvest both crops and trees.
-

**Study the diagram and use it to answer questions 39 and 40.**



39. Put an arrow on line PO to complete the ray.
40. Name the type of reflection of light shown above.

---



---

**SECTION B (60 Marks)**

**Questions 41 to 55 carry four marks each**

41. (a) Give any two importance of ironing clothes.

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

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

- (b) How does washing make clothes clean?

---



---

- (c) Name any one step followed when cleaning clothes.

---

42. **Use the list of animals below to answer questions that follow.**

| A   | B         | C    | D         |
|-----|-----------|------|-----------|
| Bat | Crocodile | Toad | Chameleon |

- (a) To which group of vertebrates does animal A belong?

---

- (b) How does animal C reproduce?

---



---

- (c) Give one similarity between animal B and D.

---



---

- (d) Apart from a toad, name one other animal that belongs to the same group.

---

43. (a) What is excretion?

---

---

(b) Besides the kidneys, give any other excretory organ.

---

(c) Name one excretory product from the kidneys.

---

44. (a) State any one difference between heat and expenditure.

---

(b) Give one advantage of covering sweet potatoes during the cooking process.

---

(c) Convert 40°C to °F.

45. ***Match the following body organs to their functions.***

**Body organs**

**Functions**

Eye

Body balance

Stomach

Regulation of blood sugar

Liver

Production of gastric juice

Brain

Sight

(i) Eyes

---

(ii) Stomach

---

(iii) Liver

---

(iv) Brain

---

46. (a) Apart from seeds, mention any two other parts of plants used for propagation.

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

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

(b) State one advantage of vegetative propagation.

---

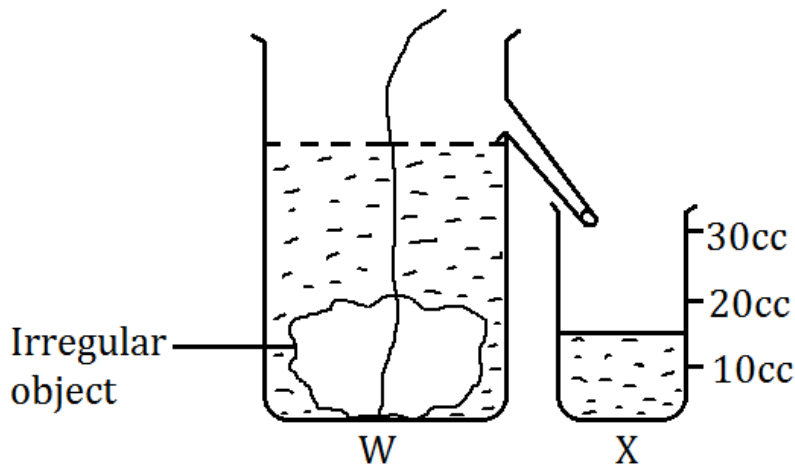
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(c) In which one way are plants useful to people?

---

---

47. ***Study the diagram below and use it to answer questions that follow.***



(a) Name the container marked W.

(b) Which method is used above?

(c) What is the volume of the irregular object?

(d) State the characteristic which enables the irregular object to sink.

48. (a) Name the form of energy that stimulates the sense of hearing in animals.

(b) How is the form of energy named in (a) above produced?

(c) Which body organ does a dog use to detect the form of energy named in (a) above?

(d) Give one way of controlling echoes in broadcasting houses.

49. (a) Give one example of each of the following types of changes in the environment.

(i) Physical change

(ii) Biological change

(b) Mention one characteristic of chemical changes.

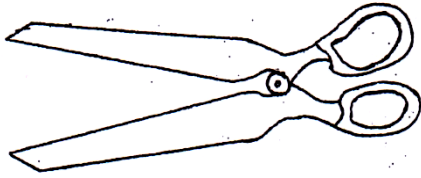
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(c) How does massive cutting down of trees affect the environment?

---

50. ***The diagram below shows an example of a lever.***



(a) Why is the above machine classified as first class lever?

---

(b) Use letter P to show the position of the fulcrum on the diagram.

---

(c) Give one example of a wheel and axle machine.

---

(d) How is a wedge useful to a school cook?

---

51. (a) Mention two activities done during a health parade.

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

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

(b) Which element of P.H.C helps to reduce infant mortality rate?

---

(c) How does boiling make it safe for drinking?

---

52. (a) What are energy resources?

---

(b) Name any two examples of energy resources.

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

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

(c) Why is the use of bio gas friendly to the environment?

---

53. (a) Name two insects that undergo incomplete metamorphosis.

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

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

(b) Mention the second stage in incomplete metamorphosis.

(c) Name any one insect eaten as food.

54. (a) State the practice people use to control birth rates.

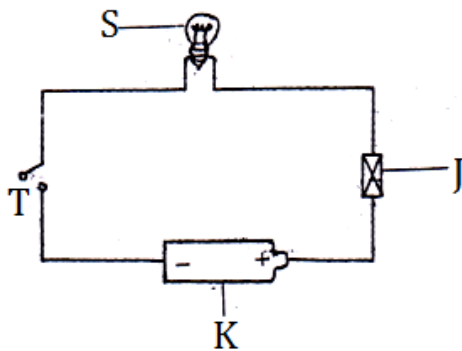
(b) Name two artificial methods used to control birth rates.

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

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

(c) Write down any one PIASCY message.

55. ***Study the diagram of an electric circuit below and use it to answer the questions that follow.***



(a) Name the parts labeled J and S.

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

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

(b) Give the function of part K in the circuit.

(c) State any one form of energy produced at S when T is closed.

\*\*\*\*\****GOD BLESS***\*\*\*\*\*



# PRIMARY LEAVING MOCK EXAMINATIONS

## P.7 INTEGRATED SCIENCE – SET 034

Time allowed: 2 Hours 15 minutes

Candidates' Names: .....

Index No.

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School: .....

### **SECTION A (40 Marks)**

1. State any one danger of electricity at home.  
\_\_\_\_\_
2. Which member of a young nuclear family is responsible for cooking and grinding grain at home?  
\_\_\_\_\_
3. Name one disease that affects the human ears.  
\_\_\_\_\_
4. Name any one plant material that can be used in cleaning of our bodies.  
\_\_\_\_\_
5. Why is it dangerous for school children to share sharp body cutting objects?  
\_\_\_\_\_  
\_\_\_\_\_
6. Identify any one home activity that may be carried out on a sunny day.  
\_\_\_\_\_
7. What is the difference between drowning and near drowning?  
\_\_\_\_\_  
\_\_\_\_\_
8. State any one way in which people can break the 4F germ path at home.  
\_\_\_\_\_  
\_\_\_\_\_
9. Name any one staple food in your community.  
\_\_\_\_\_
10. Poor farming method is one factor that damages our environment. Give one example of poor farming methods.  
\_\_\_\_\_  
\_\_\_\_\_
11. Name the equipment that is used in the production of biogas.  
\_\_\_\_\_
12. Name the process in the atmosphere by which rain drops are formed.  
\_\_\_\_\_  
\_\_\_\_\_

13. Write down any one danger of domestic animals at home.

---

---
14. Give any one plant that grows well in dry rocky places.

---
15. Write ECOSAN in full.

---

---
16. Give any one example of a non-communicable disease.

---
17. Name any one common water impurity.

---
18. Why do people wring clothes before spreading them under the sun?

---
19. Why wouldn't it be right for you to boil the Sugar Salt Solution (SSS) after preparing it?

---

---
20. What first aid would you give to a person who has accidentally drunk rat poison?

---

---
21. State any one way in which animals move from one place to another.

---

---
22. In the space provided below, draw a well labeled diagram to show that air exerts pressure.
23. Give any one use of convex mirrors in our day to day life.

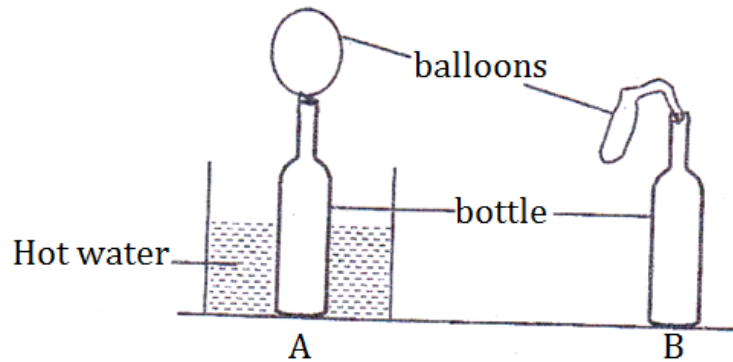
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---
24. State one importance of agro-forestry in our community.

---

25. What is oral health?

***A P.5 Science teacher and her class carried out the experiment as shown below.***



26. Why did the balloon collapse when the bottle was removed from the hot water?

27. Name the most suitable system of keeping chicken that an urban resident would choose to use if he is to keep many birds

28. Name any one type of common sickness in a home.

29. State one importance of feathers to all birds.

30. Explain any one way in which nonliving things benefit from living things.

31. Identify any one disorder of the human skin.

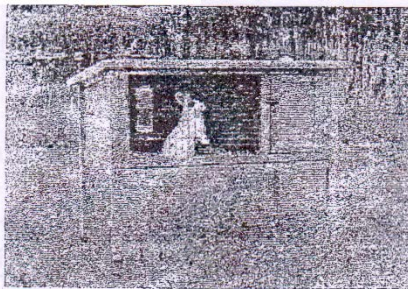
32. State one way you can participate in PIASCY activities at school.

33. Identify any one effect of smoking to the community.

34. Name any one sign of a cow suffering from mastitis.

35. How do people use renewable resources such as wind?  
\_\_\_\_\_  
\_\_\_\_\_
36. Why is it important for every home to have a first aid kit?  
\_\_\_\_\_  
\_\_\_\_\_
37. Give any one passage in which foreign bodies can be found.  
\_\_\_\_\_  
\_\_\_\_\_
38. Change  $0^{\circ}\text{C}$  to the Fahrenheit scale.

***Study the animal house below and use it to answer the question that follows.***



39. What danger would happen if the above house wasn't raised off the ground?  
\_\_\_\_\_  
\_\_\_\_\_
40. Name the eye defect that is caused by very short eyeballs.  
\_\_\_\_\_

***SECTION B (60 Marks)***

41. (a) Identify any two human activities that bring about changes in the environment.  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_
- (b) State any two possible ways of managing changes in the environment.  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_

42. (a) Give any two examples of wild birds.  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_  
(b) State any one characteristic of birds.  
\_\_\_\_\_  
\_\_\_\_\_

(c) Explain one way you can care for wild birds.  
\_\_\_\_\_  
\_\_\_\_\_

43. (a) Identify any one human disease caused by each of the following pathogens / germs.

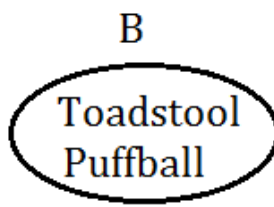
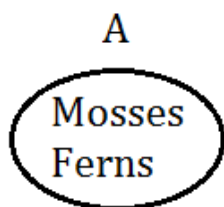
(i) Bacteria  
\_\_\_\_\_

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

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

(b) Write down one way of controlling protozoan diseases in cattle.  
\_\_\_\_\_  
\_\_\_\_\_

44. *Use the lists below to answer questions that follow.*



(a) State any one difference between A and B.  
\_\_\_\_\_  
\_\_\_\_\_

(b) Mention one similarity between organisms in list A and those in list B.  
\_\_\_\_\_  
\_\_\_\_\_

(c) Give any one danger of the organisms in list B to people.  
\_\_\_\_\_  
\_\_\_\_\_

(d) Give any one example of conifers.  
\_\_\_\_\_  
\_\_\_\_\_

45. (a) Give any two possible ways in which people increase the volume of blood in their bodies.

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

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

(b) Identify one condition that may reduce the volume of blood in the body.

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(c) Name one Sexually Transmitted Infection that attacks blood.

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46. (a) Define the following terms as used in science.

(i) Reproductive health

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(ii) Teenage pregnancy

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(b) Identify any one disease and disorder of the reproductive system.

(i) Disease

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(ii) Disorder

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47. Farm records are written information about the activities on the farm.

(a) Give any two examples of such records on a farm.

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

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

(b) State any two importances of farm records in Uganda today.

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

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

48. (a) List down any two problems of very young parents in Uganda today.

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

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

(b) Identify any one role of the following people at home.

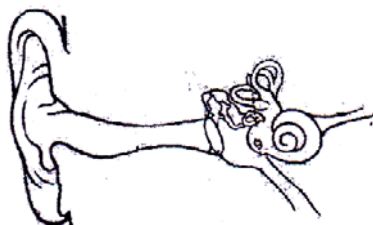
(i) Father

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(ii) Mother

49. ***The diagram below shows a body organ.***



(a) Give any two parts that make up the outer ear.

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

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

(b) Name the form of energy to which the organ above is very sensitive.

(c) How can the form of energy you have named in (b) above be stored?

\_\_\_\_\_

\_\_\_\_\_

50. (a) Identify any one object that floats on water.

\_\_\_\_\_

(b) State any one difference between mass and weight.

\_\_\_\_\_

\_\_\_\_\_

(c) What happens to the mass and volume of water when frozen?

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

\_\_\_\_\_

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

\_\_\_\_\_

51. (a) Apart from the 8 childhood immunisable diseases, name one other immunisable disease.

\_\_\_\_\_

(b) Identify one sign and symptom of the disease you have named in (a) above.

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

\_\_\_\_\_

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

\_\_\_\_\_

(c) Give any one importance of immunization to people.

\_\_\_\_\_

52. (a) What is the difference between a solvent and a solute?

\_\_\_\_\_

\_\_\_\_\_

(b) Give one solute commonly used in the preparation of sauce at home.

\_\_\_\_\_

(c) Name any one example of the following;

(i) type of energy \_\_\_\_\_

(ii) form of energy \_\_\_\_\_

53. *The table below shows the air breathed in and out.*

| Parts of air  | Breathing |     |
|---------------|-----------|-----|
|               | in        | out |
| Nitrogen      | 78%       | 78% |
| Oxygen        | 21%       | 16% |
| Carbondioxide | 0.03%     | 4%  |

(a) Why is there no difference between the air breathed in and that breathed out?

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(b) Give any one reason why the oxygen breathed out is less than the oxygen breathed in. \_\_\_\_\_

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(c) Why is the carbon dioxide breathed out more than that breathed in?

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(d) Which part of air is missing from the table above?

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54. (a) Clay is one natural material that can be processed to make things. Name the following about it.

(i) the source from where it is got

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(ii) product made from it

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(b) Uses of the product made

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

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

55. Identify any one device that can do the following;

(a) Convert electricity into heat

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(b) Convert

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(c) Convert electricity into light

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(d) Convert electricity into movement

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\*\*\*\*\***GOD BLESS**\*\*\*\*\*