

SET 4

MOTHERCARE PREPARATORY SCHOOLS

REVISION WORK TERM I - 2020

P.7 INTEGRATED SCIENCE

TIME ALLOWED: 2 HOURS 15 MINUTES

Index No:

Random No.						Personal No.		

Candidate's Name : _____

Candidate's Signature : _____

School Random No. : _____ Stream: _____

District ID : _____

Read the following instructions carefully.

1. This paper is made up of two sections **A** and **B**.
2. Attempt **all** questions. All answers to both sections **A** and **B** must be written in the spaces provided.
3. All answers must be written using a blue or black ball point pen or ink. Diagrams should be drawn in pencil.
4. Unnecessary alteration of work may lead to loss of marks.
5. Any handwriting that cannot be easily read may lead to loss of marks.
6. Do not fill any thing in the boxes indicated for **Examiner's use only**.

FOR OFFICIAL USE ONLY			
SECTION	EXRS MARKS	T/L MARKS	OFFICE
A			
B			
TOTAL			

SECTION A (40 MARKS)

1. State one thing that a hen provides to its chicks.

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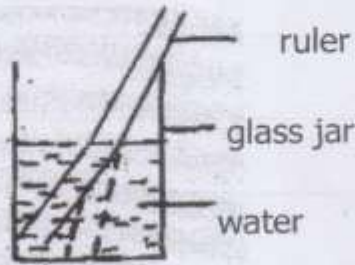
2. In which harmful way is a water snail similar to a housefly?

.....

3. How can you keep your skeletal system in good working order?

.....

The diagram below shows a glass with water and a straight ruler in it. Use it to answer question 4.



4. What causes the ruler to appear bent?

.....

5. Which part of a mushroom produces and stores spores?

.....

6. How can a family participate in the promotion of primary health care?

.....

7. Give one danger of draining wetlands.

.....

8. State the function of suckers and hooks to a tape worm

.....

The diagram shows an experiment done by P.7 students. Study it and answer questions 9.



9. Identify the property of magnets shown in the diagram.

.....

10. How are humming birds adapted to their mode of feeding?

.....
.....

11. How is cerumen useful in the human ear?

.....

12. How do people get infected with measles?

.....
.....

13. Give one difference between the air we breathe in and the air we breathe out.

.....
.....

14. Mention one thing that you can do to increase the brightness of the light of a bulb.

.....

15. Why is the zero grazing system of keeping cattle suitable in urban areas?

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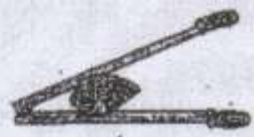
16. Mention one thing you can do to care for your cassava crops in the garden.

.....
.....

17. Suggest one way saliva is useful during digestion?

.....
.....

The diagram shows a nutcracker. Study it and answer the questions which follow.



18. Show with an arrow letter L the position of the load.

.....
.....

19. In which class of levers is a nutcracker?

.....
.....

20. How are air sacs (alveoli) adapted to their function of gaseous exchange?

.....
.....

21. Apart from meat production, why else do people keep goats?

22. The child's health card shows immunization information about a child. Mention any one piece of information recorded on a child's card

23. Which component of the soil improves on its fertility?

24. Apart from baking of bread how else can yeast be useful?

25. Of what importance are ventilators on living house?

26. Name the blood vessels which transport blood from the heart to all parts of the body.

27. How are maggots and bacteria found in pit latrines useful?

28. Identify the force which enables a bicycle to stop when the brakes are applied.

29. You heard the school bell at the end of the lesson, what sense organ did you use to detect the sound of the school bell?

30. Why is HIV/AIDS considered to be the most dangerous sexually transmitted disease?

The diagram shows the foot of a bird.



31. How is part marked Z important to the bird?

32. Give one example of a bird with such a foot.

.....
.....

33. Name the process by which liquids turn into gases (vapour).

.....

34. Give one way of identifying a legume from other dicotyledonous crops.

.....

35. Which part of the male reproduction organ is responsible for production of seminal fluid?

.....

.....

36. How does sun drying help in preservation of food?

.....

.....

37. In which state of matter does sound travel slowest?

.....

.....

38. Give one characteristic of enzymes.

.....

.....

39. What is the difference between the life cycle of a grasshopper and that of a mosquito?

.....

.....

40. In the space below, draw a diagram to show that air exerts pressure.

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SECTION B

41(a) What do we call the programme where older children teach young children good health habits?

.....

(b) State two good health habits you teach your young brother or sister.

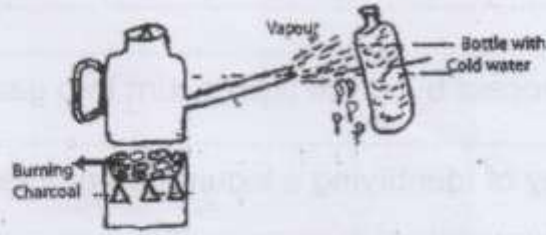
i)

ii)

(c) Write down one requirement for a pregnant woman.

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42. The diagram below is of an experiment performed in a class. Study it and answer questions that follow



- (a) What natural process in the environment does this experiment show?
.....
- (b) What does stove represent in the process?
.....
- (c) What is the importance of cold water in the bottle?
.....
- (d) Give any one other process that takes place in the same way.
.....

- 43(a) what is an energy resource?
.....
- (b) Give one example of;
 - (i) a non-living resource:
 - (ii) a living resource:.....
- (c) How can air be used as an energy resource?
.....

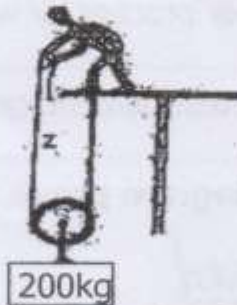
- 44(a) What is fever?
.....
- (b) Suggest one way you can give First Aid to a person with fever.
.....
- (c) Mention one condition which results into fever.
.....
- (d) How is the first degree burn different from the third degree burn?
.....

45. Match the type of joint to the part of the human body where each names.

Type	Part
Hinge joint	wrist
Gliding joint	shoulder
Pivot joint	neck vertebra
Ball and socket joint	elbow

- (a) Hinge joint:
- (b) Gliding joint:
- (c) Pivot joint:
- (d) Ball and socket joint:

46. Study the diagram below and answer questions that follow



- a) Name the type of pulley shown in the diagram.
.....
- b) How does the pulley shown make work easy?
.....
- c) Put arrows on the strings to show the direction of the effort.
(d) If the mechanical advantage of machine above is 2, calculate the effort required to move the load.
.....

47(a) Write down any two types of poultry.

- (i).....
- (ii).....

(b) State two disadvantages of keeping local breeds of poultry.

- (i).....
- (ii).....

48(a) List two things you can do to promote personal hygiene.

- (i).....
- (ii).....

(b) Mention two things that you can do to live a healthy life style.

- (i).....
- (ii).....

49(a) What is the greatest natural source of heat and light?

.....
.....

(b) Give two effects of heat on matter.

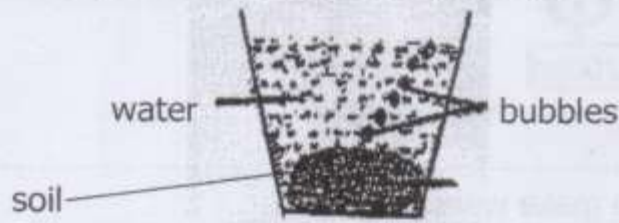
- (i).....
- (ii).....

c) Lavender made a fire and she sat 1m away from the fire on a stool. By what process did she receive the heat?

50(a) Apart from weathering, state one other process by which soil is formed.

(b) Which component of soil forms the greatest percentage of it?

(c) **What does the experiment in the diagram prove about soil?**



How does mulching improve on soil fertility?

51(a) What is a balanced diet?

(b) Identify the cause of each of the following deficiency disease.

- (i) Scurvy:
- (ii) anaemia:

(c) Why should the elderly be fed on food rich in proteins?

52(a) Mention two examples of chemical changes.

- (i).....
- (ii).....

(b) Write down two differences between chemical changes and physical changes.

- (i).....
- (ii).....

53(a) which scientific term is used to describe the process by which harmful waste products are removed from the body?

(b) Mention the body organ which removes each of the following waste products.

(i) Sweat:

.....

(ii) Bile pigments:

.....

(iii) carbon dioxide and water vapour:

.....

54. The diagram below shows a common vertebrate. Study it and answer the questions below.



a) In which group of vertebrates is it found?

.....

b) Identify one other vertebrate in the group with the one shown above.

.....

c) Name the part labeled V?

.....

d) How are the structures labeled (V) above useful to the vertebrate?

.....

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55. (a) What is drug abuse?

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(b) Give any one way how people abuse drugs.

.....

(c) Why is it important to take drug following doctor's prescriptions?

.....

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(d) Give any one example of an essential drug.

.....

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9

END

GOOD LUCK