

MOTHELCARE PREPARATORY SCHOOLS

SET II REVISION WORK TERM 1 - 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:

1. Which sense of the body is used to tell whether tea is hot?
.....
.....
2. How is the reproduction of a mushroom different from that of a bean plant?
.....
.....
3. How does poor feeding affect layer birds on a farm?
.....
4. Name any one solute used in preparation of **ORS** locally.
.....
5. Which cattle disease is characterized by painful wounds in the mouth and between hooves?
.....
6. How does heat from the sun reach the seeds at point **W**?
.....
7. Which delicate body organ is protected by the vertebral column?
.....
8. Apart from alcohol and tobacco, mention one other drug of dependency.
.....

9. What is the importance of a screen on a VIP latrine?

.....

10. Mention one raw material plants use to make starch.

.....

11. Point out any one characteristic of chemical changes in the environment

.....

12. Why are animals like frogs, snakes and fish called poikilothermic animals?

.....

13. Identify the vaccine which is used to protect babies against a disease whose signs include; runny nose, red eyes, sore mouth and rash on the body.

.....

14. Why are some flowers able to attract pollinators at night?

.....

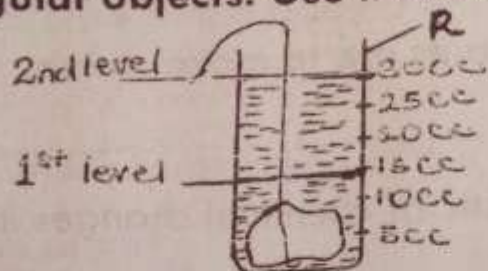
15. How does the sound produced by the whistle when blown by the referee reach to all the players in the playground?

.....

16. What do we call the diseases which are spread through drinking contaminated water?

.....

The diagram below shows a method used to find volume of irregular objects. Use it to answer questions 16 and 17.

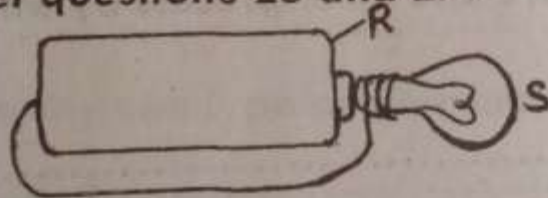


17. Name the container marked with letter R.
.....
18. What is the volume of the object?
.....
19. Identify the main product of **sericulture**.
.....
20. Name any one natural source of light in the environment.
.....
21. Briefly explain the meaning of the term **Adolescence**.
.....
.....
22. State any one way in which water is used as an energy resource.
.....
23. Mention the vector that spreads River blindness to human beings.
.....
24. What is PHC?
.....

.....
.....
25. How is the function of ligaments in the body different from that of the tendons?

.....
.....
26. How is the shell of the egg adapted to its function of carrying out gaseous exchange?

.....
The diagram below shows a simple electric circuit. Use it to answer questions 26 and 27.



27. Identify the form of energy stored in part marked with letter R.

.....
28. Write down one form of energy produced at part S.

.....
29. Why is it not a good practice to keep tall grass near the home?

.....
30. Point out any one traditional method used by people to preserve their food besides smoking.

.....
31. Give any one factor that affects the rate of transpiration in plants.

.....
32. State any one benefit of paddock system of grazing cattle to farmers.

.....
33. Identify the food value that helps to prevent Night blindness in people.

.....
34. Apart from convection, give one other process by which heat travels through matter.

.....
35. State the adaptation of the tooth below to its function.

.....
36. Mention the component of soil formed by decomposition of organic matter.

.....
37. What are heat insulators?
.....
.....

38. Why is every pupil at Hillside Nursery and Primary Schools Naalya advised to have a clean handkerchief?

.....
39. In which harmful way is road construction in the area?
.....

40. Convert 10.5 Kilograms to Grams.
.....

.....
SECTION B (60 Marks)

41 (a) Mention the two systems of a flowering plant.

(i).....

(ii).....

(b) Identify one type of germination in plants.
.....

(c) Write down any one example of a plant which undergoes the type of germination you have mentioned above.
.....

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



(a) Name the part marked with letter Q.
.....

(b) Identify the force increased by putting part Q on the above shoes.

.....

(c) Give any two ways how the force you have mention in (b) above can be reduced.

(i).....

(ii).....

43. (a) Mention any two exotic breeds of goats kept for production of milk.

(i).....

(ii).....

(b) Besides getting milk, give any other two ways goat rearing benefits the farmer.

(i).....

(ii).....

44. (a) Point out any two ways in which bacteria are useful to people

(i).....

(ii).....

(b) State any two ways in which bacteria are harmful in the environment.

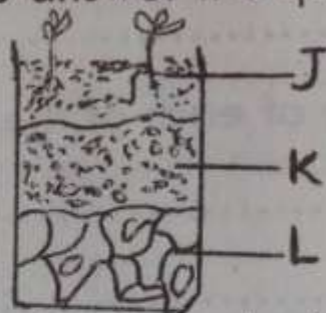
(i).....

(ii).....

45. Complete the table below correctly.

Animal	Method of protection
.....	Withdrawing into its shell
Skunk
.....	Curling
Dog

46. The diagram below shows the different layers of soil. Study it carefully and use it to answer the questions that follow.



(a) Name the layers of soil marked K and L

(i) K.....

(ii) L.....

(b) What makes layer J the best for plant growth?

.....

.....

(c) How does overgrazing cause soil erosion in an area?

.....
.....

47. (a) What is electricity?

.....
.....

(b) Name the static electricity in nature.

.....

(c) What force enables the above type of electricity to be formed?

.....

(d) Give one way in which the electricity named in (b) above is harmful in the environment.

.....

48. Explain briefly the meaning of each of the following terms.

(a) Weeding.....

.....

(b) Fertilization.....

.....

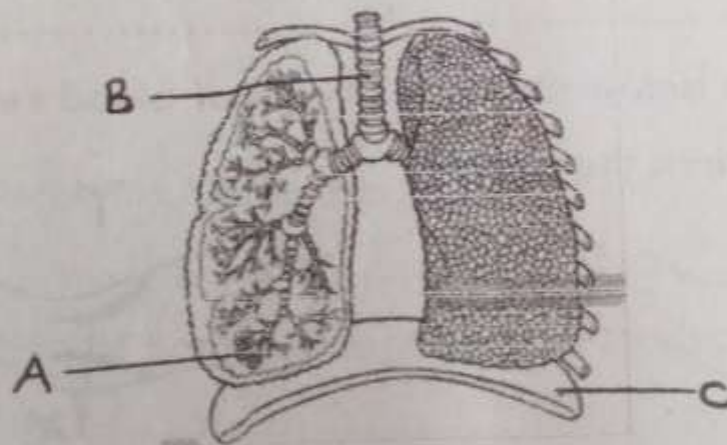
(c) Pollination.....

.....

(d) Digestion.....

.....

49. The diagram below shows the respiratory system of a person. Use it to answer questions that follow.



(a) Name parts marked **B** and **C**

(i) **B**.....

(ii) **C**.....

(b) Give the importance of part **A**.

.....

(c) State any one disease of the above body system.

.....

50. a) How is charcoal obtained?

.....

(b) State any two dangers that can result from making charcoal in the environment.

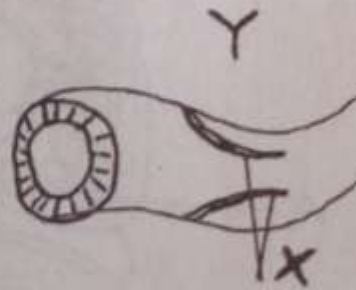
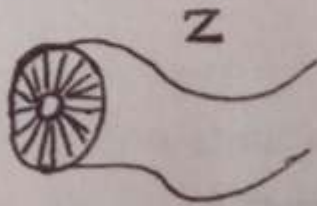
(i).....

(ii).....

(c) Why does the government of Uganda encourage people to use energy saving stoves?

.....
.....

51. The diagram below shows two types of blood vessels. Use it to answer the questions that follow.



(a) Identify the type of blood vessels above.

- (i) Y.....
(ii) Z.....

c) What is the importance of structures marked X in blood vessel Y?

.....

(d) State the functional difference between blood vessel Y and blood vessel Z.

.....
.....

52. (a) What is temperature?

.....

(b) Give any one advantage of using mercury in thermometers.

.....
.....

(c) Convert 25°C to Fahrenheit scale. (2 marks)

53. (a) What is the incubation period of a hen?

.....

(b) Which method of hatching eggs uses an incubator?

.....

(c) In which one way is the use of an incubator of an advantage to the farmer.

.....

53. Match the following types of joints to their examples.

A

- Hinge joint
- Gliding joint
- Ball and socket joint
- Suture joints

B

- Shoulder joint
- Joints in the skull
- Elbow joint
- Neck joint
- Wrist joint

(a) Hinge joint.....

(b) Gliding joint.....

(c) Ball and socket joint.....

(d) Suture joint.....

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(b) Which method of hatching eggs uses an incubator?

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(c) In which one way is the use of an incubator of an advantage to the farmer?

.....

55. (a) Write down any two devices used to store sound.

(i).....

(i).....

(b) State one method of storing sound.

.....

(c) Give any one reason why sound is stored.

.....

.....

END