



THE MODERN TIMES EXAMINATIONS

PRIMARY SEVEN PRE-MOCK SET ONE

2025

INTEGRATED SCIENCE

Time allowed: 2 hours 15 minutes

Random No.						Personal No.		

Candidate's Name:

Candidate's Signature:

District ID No.

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Read the following instructions carefully:

1. Do not write your **School** or **district name** anywhere on this paper.
2. This paper has **two** sections: **A** and **B** Section **A** has **40 questions** (40 marks) and Section **B** has **15 questions** (60 marks) printed altogether.
3. Answer **ALL** questions. **All** the working for **both** Sections **A** and **B** must be shown in the Spaces provided.
4. All working must be done using a **blue** or **black** ball point pen or ink. Any work done in pencil except drawings and diagrams will **NOT** be marked.
5. Unnecessary **changes** in your work and handwriting that cannot be easily read may lead to **loss of marks**.
6. Do not fill anything in the table indicated for **Examiner's use only** and the boxes inside the question paper.

FOR EXAMINERS' USE ONLY		
QN. NO.	MARKS	EXR'S INITIALS
1 – 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 – 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

Turn Over

SECTION A (40 MARKS)

1. Name the type of clouds which is a sure sign of rain in the environment.

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.....

2. How useful is a forked hoe to a crop farmer?

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.....

3. Name the structure in the human body which joins one bone to another at the joint.

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.....

4. How is blubber useful to a sea mammal like a whale?

.....

.....

5. By what process does heat from the sun reaches a P.7 boy seated at the school compound?

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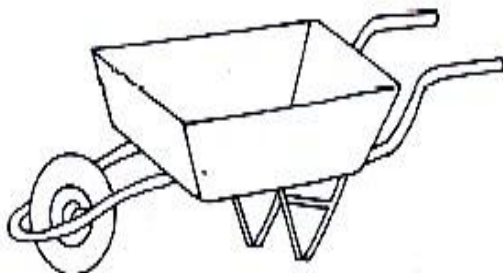
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6. How is the ear useful to a deaf person?

.....

.....

Use the diagram below to answer questions 7 and 8.



7. To which class of levers does the machine shown above belong?
-
-
8. By the use of an arrow and letter **P** Show the position of the pivot in the diagram above.
-
-
9. How are bacteria useful in the process of soil formation?
-
-
10. Write PHC in full.
-
-
11. State one reason why water passes through sand soil easily.
-
-
12. How do plants reduce the rate of transpiration during dry season?
-
-
13. Of what importance is bile juice in digestion process?
-
-
14. What force makes objects weigh less when immersed in water?
-
-
15. How is tepid sponging important in giving first aid to patients with fever?
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16. Why should cholera patients be treated in isolation from all other people?

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The diagram below shows one the farming practices carried out by farmers. Use it to answer questions 17 and 18.



17. Name the crop growing practice shown above.

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18. How is the crop growing practice shown above useful in crop farming?

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19. How is the wind pipe protected from closing during breathing?

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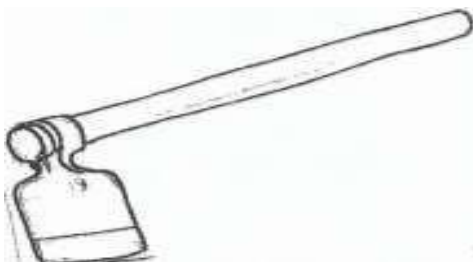
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20. What class of vertebrate is the turtle?

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The diagram below is of a garden tool. Use it to answer questions 21 and 22.



21. How is the garden tool shown above useful to a crop farmer?
-
-
22. Mention any one way of caring for the garden tool shown above.
-
-
23. How is reproduction in yeast different from other fungi?
-
-
24. State the way clay stoves conserve heat.
-
-
25. Give **one** way of reproducing stored sound.
-
-
26. Give **one** danger of a fresh water snail to human health.
-
-
27. Give a reason why the filament of an electric bulb is coiled.
-
-
28. Why do houseflies prefer to breed in rotting matter?
-
-

29. How is the trachea adapted to its function?

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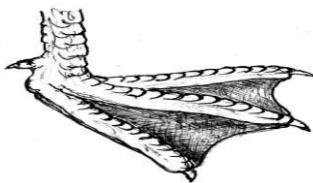
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30. How do white blood cells fight against germs in the body?

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.....

The diagram below shows the foot of a bird. Study it carefully and use it to answer questions 31 and 32.



31. To which group of birds do birds with such foot belong?

.....

.....

32. Give any one example of domestic bird with such foot.

.....

.....

33. How does the function of teeth help in the proper digestion of food by enzymes?

.....

.....

34. Give any one way of determining the polarity of an electromagnet.

.....

.....

35. What is pricking out?

.....

.....

36. Identify the best method of harvesting trees for poles and timber in agroforestry.

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37. Mention any one energy resource got from water.

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38. What do we call the turning point of a machine?

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39. Give any one example of a wedge commonly used in the kitchen.

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40. Mention any one disorder of the digestive system.

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Section B (60 marks)

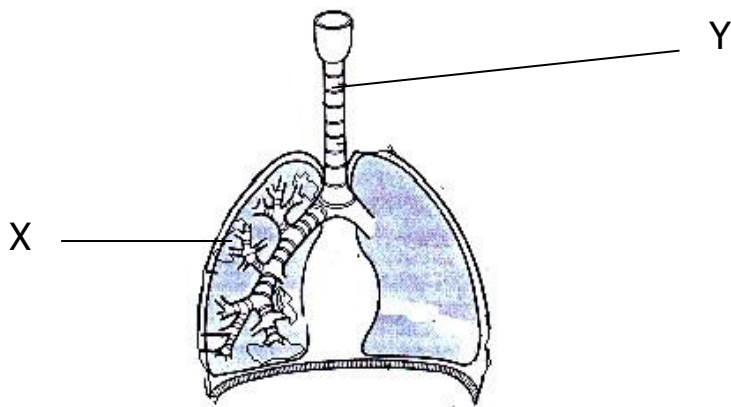
41. a) Give any two examples of biological changes.

i)
ii)

a) Write down any two characteristics of physical changes.

i).
ii).

42. The diagram below is of a respiratory organ. Use it to answer the questions that follow.



- a) Name the parts marked by letters
- i) X. ii) Y.
- b) Which process takes place in the part marked X?
-
- c) What helps part marked Y to keep open all the time?
-
43. a) Apart from wind, give two other agents of pollination in flowering plants.
- i).
- ii).
- b) Which part of a flowering plant mainly does the following?
- i) Manufactures food?
-
- ii) Absorb water and mineral salts?
-
44. a) Give any two benefits of keeping cattle to the farmers.
- i).
- ii).
- a) Give any one importance of the following management practices in cattle keeping;
- i) Castration
-
- ii) Ear tagging:
-

45. What are energy resources?

.....
.....

b). Mention any two energy resources got from fossil fuels.

I).

ii).

c) Give any one way of conserving non-renewable energy resources.

.....
.....

46. a) State any two reasons why bees swarm?

i)

ii)

b) Give any two ways a bee keeper can care for bees in an apiary.

i)

ii)

47. a) What is dehydration?

.....
.....

a) Mention two causes of dehydration.

i)

ii).....

b) Identify any one solute used to make **ORS**.

.....

48. a) In one sentence give the meaning of the following terms:

i) Adolescence:

.....
.....

iii) Fertilisation:

.....
.....

a) Apart from producing sperms, give one other function of testes in a male reproductive system.

.....

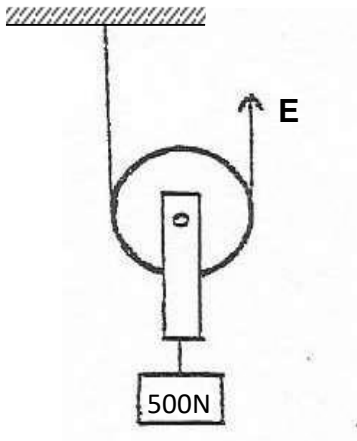
b) What type of reproduction do human beings undergo?

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49. **The table below shows immunisable diseases, vaccine administered and the age at which immunisation takes place.**

DISEASES	VACCINE	AGE
Measles	i)	9 months
ii)	BCG	At birth
Polio	Polio vaccine	iii)
Hepatitis B	iv)	6 weeks

50. Below is a diagram showing one of the pully systems. Study it carefully and use it to answer the questions that follow



a). identify the type of pully system shown in the diagram above.

.....

b) how does the use of the above type of pully simplify work?

.....

c) Calculate the effort required to lift the load by the pully system as shown above.

51. a) Give one reason why the government of Uganda gives people mosquito nets free of charge.

.....
.....

b) Name any two diseases controlled by proper use of mosquito nets in a home.

i)

ii)

c) Which stage of a mosquito is affected by draining stagnant water?

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52. a) Give one reason why a piece of paper floats on water.

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b) Apart from a piece of paper, give one other object that floats on water.

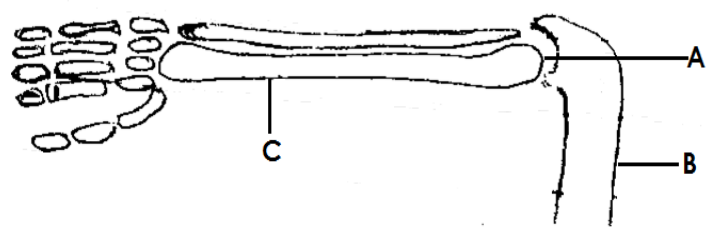
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c) A stone with mass 2g/cc was totally immersed in a measuring cylinder full of water and the water level rose from 30cc to 50cc.

i) Find the volume of the stone.

ii) Calculate the mass of a stone.

53. The diagram below shows part of a human arm. Use it to answer questions that follow.



- a) Name the type of joint found at part labelled A.
.....
- b) Name the bones labelled C and B
i). ii).
- c) Which other part of the human body has the same type of joint as the one named above above?
.....

54. How is hydrochloric acid useful in the stomach?
.....
- b) Name the digestive juice produced by the stomach walls.
.....
 - d) Name the class of food whose digestion begins in the stomach.
.....
 - e) Name the part in the mouth used in digestion of food.
.....

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

Monkey	Nile perch	Newts	Eagles
Goat	Tilapia	Frogs	Ducks
Duckbilled platypus	salmon	Toads	Ibis

- a) Identify the class of vertebrates missing in the table above.
.....

b) Give any two ways in which animals in group **B** are similar to those in group **C**.

i).

ii).

c) Mention any one animal you would add in list A above.

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******THE END******