



UNEB BLUE PRINT 2024 RE-MODERATED SET FOUR

INTERGRATED SCIENCE

Time allowed: 2 Hours 15 Minutes

Random No.							Personal No.		

Candidate' Name:.....

Candidate's Signature:.....

District Name:.....

Read the following instructions carefully:

- 1.This paper has **two** sections: **A** and **B**.
- 2.Section **A** has **40** questions (**40 marks**)
- 3.Section **B** has **12** questions (**60 marks**)
- 4.Answer **all** questions . all answers to both sections **A** and **B must** be written in the spaces provided.
5. **All** answers must be written using a **blue** or **black ball** point **pen** or **ink**. Diagrams should be drawn in a pencil.
6. **Unnecessary** changes in your work may lead to **loss** of marks.
7. Any handwriting that **cannot** be easily read may lead to **loss** of marks.
- 8.**Do not** fill anything in the table indicated:
" **FOR EXAMINERS' USE ONLY**" and boxes inside the question paper.

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

Turn Over

- [illegible]

10. How does man produce sound when talking?
.....
11. In which part of the digestive system does the absorption of alcohol and medicine takes place ?
.....
12. Apart from anaplasmosis, mention any other tick borne disease that attacks cattle in Uganda.
.....
13. What type of change occurs when sugar dissolves in water?
.....
14. How is the presence of hydrochloric acid in the stomach important?
.....
15. What is seed viability?
.....
.....
16. What blood component controls the flow of blood from fresh wounds?
.....
17. Give one reason why a ruler is regarded as matter.
.....
18. Which organ in the body is greatly affected by heavy smoking?
.....
19. Which element of PHC helps to control polio?
.....
20. Give one reason for giving first aid.
.....
21. Name the gas given off during photosynthesis.
.....

22. Mention the function of a fuse in an electric circuit.

.....

23. How can you identify a compound fracture?

.....

24. How do terns reproduce?

.....

.....

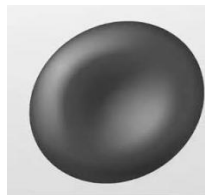
25. State the immunization site for polio.

.....

26. By what process does heat travel through gases.

.....

27. Below is the diagram of a blood cell. What type of blood cell is shown below.



28. Which food value is got from vice?

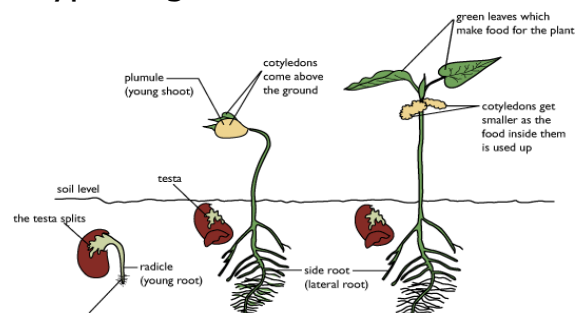
.....

29. Why do clinical thermometers have kinks?

.....

30. An object has a mass of 225g and volume 45cc. calculate its density.

31. Mention the type of germination shown in the diagram below.



32. Name the type of electricity produced by flow of a electrons.
.....
33. Give one natural cause of environmental degradation.
.....
34. Which vector spreads bilharzias?
.....
35. Which part of a leaf helps transpiration to take place?
.....
36. What type of fertilization does a frog undergo?
.....
37. How do mushrooms multiply themselves?
.....
38. What health problem is likely to be experienced by people who live near fast flowing rivers?
.....
39. State one characteristic that qualities a butter fly to be an insect.
.....
40. NEMA is a body that ensures the conservation of our environment. Write NEMA in full.
.....

SECTION B

41. a) Mention two disorders of the human digestive system.
.....

.....
.....
b) Write down two diseases that affect the human digestive system.

.....
.....
42. a) To which group of vertebrates are snakes?

.....
b) Give one example of flying mammals.

.....
c) Under what group of invertebrates are snails?

.....
d) What name is given to hollow teeth found in poisonous snakes?

.....
43. a) What is a skeleton ?

.....
.....
b) How is the skeleton of a grasshopper different from that of a lizard?

.....
c) Identify one immunisable disease that affects the skeleton in man.

.....
d) What name is given to the longest bone in the human body?

.....
44. Photosynthesis is the process that enables green plants to make their food.

a) What kind of food is made by plants through the above process?

.....
b) What form of energy do plants use when making food?

.....
c) Name the two raw materials used by plants make their food.

- i.....
- ii.....

45. Write one word which means the same as the statement given.

a) Removal of excess crops from the garden.

.....

b) Making seedlings get used to harsh weather conditions.

.....

c) Using light to examine the inner parts of an egg.

.....

d) Development of a seed embryo into a young plant.

.....

46. Match the part of a flower in list A with its function in list B.

A

B

a) Stigma

protects the flower when it is still a bud

b) Anther

develops into a fruit after fertilization

c) Petals

receives pollen grains

d) Sepal

attract insect pollinators

produce and store pollen grains

A

B

a) Stigma

.....

b) Anther

.....

c) Petals

.....

d) Sepal

.....

47. The diagram below shows a food chain.



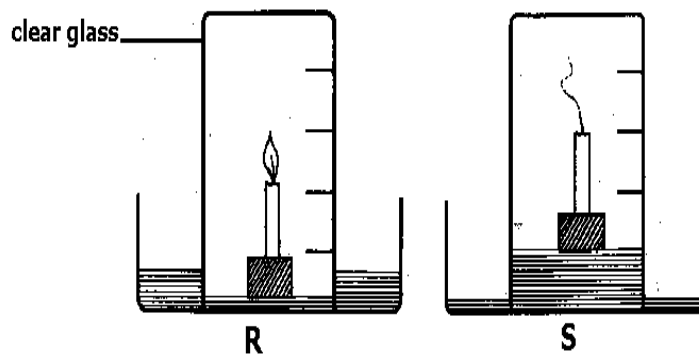
- a) Which animal is a primary consumer?
.....
- b) Name a secondary consumer in the food chain.
.....
- c) What is the difference between animal A and animal B in terms of feeding?
.....
- d) Explain the role played by bacteria in the food chain.
.....
48. a) Mention the kind of joints found in the following parts of the body.
- i. Shoulder.....
 - ii. Elbow.....
- b) How important are the following parts or substances at the joint.
- (i) tendon.....
 - (ii) synovial fluid.....
49. a) What is fainting?
.....
.....
- b) What causes fainting?
.....
- c) Suggest two situations in which some one may faint.
- i.
 - ii.
50. a) Give two traditional ways of preserving food in Uganda.

- i.
- ii.

b) Give two modern ways of preserving food.

- i.
- ii.

51. **Use the diagram below and answer questions that follow.**



a) What does the experiment above prove?

-
-

b) Why did the candle go off in S?

-

c) Write down two forms of energy produced by a burning candle.

- i.
- ii.

52. a) What term is used to refer to the stages of food production?

-

b) Suggest two causes of soil erosion.

- i.
- ii.

c) Why should farmers add manure in their gardens?

.....

53. a) What is a balanced diet?

.....

.....

b) Identify two classes of food in a balanced diet.

i.

ii.

c) Why should a pregnant woman eat more proteins than other types of food in a diet?

.....

54. a) What is smoking?

.....

.....

b) Identify the two poisonous substances found in tobacco.

(i).....

(ii).....

c) Give one reason why people smoke.

.....

55. a) What is the function of the heart in the human body?

.....

b) Which blood component is destroyed by H.I.V, that causes AIDS?

.....

b) In the space below, draw the structure of a red blood cell.

END