

THE **JUBRA EDUCATIONAL SERVICES - KAMPALA**  
(PRIMARY SEVEN PRE-PLE SET II EXAMINATIONS 2022)

**INTEGRATED SCIENCE**

Time Allowed: 2 hours 15 minutes

Random No.						Personal No.		
Index No.								

Candidate's Name. \_\_\_\_\_

Candidate's Signature. \_\_\_\_\_

School Name \_\_\_\_\_

District / Municipality. \_\_\_\_\_

**DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO**  
**READ THE FOLLOWING INSTRUCTIONS CAREFULLY**

1. This paper is made up of two sections A and B.
2. Section A has 40 questions (40 marks)
3. Section B has 15 questions (60 marks)
4. Answer **ALL** questions. **All** answers to both section 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.
6. Unnecessary alteration of work may lead to loss of marks.
7. Any handwriting that cannot easily be read may lead to loss of marks.
8. Do not fill anything in the boxes indicated For Examiner's use only

FOR EXAMINERS' USE ONLY		
PAGES	MARKS	SIGN
Page 1		
Page 2		
Page 3		
Page 4		
Page 5		
Page 6		
Page 7		
Page 8		
Page 9		
TOTAL		



© **Jubra Associates Co. Ltd.**

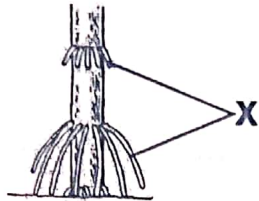
Located at Modern Building Room F4, 1st Floor and Karobwa Tower Rm F2:05 Turn Over  
Tel: 0200 909 858 , 0703-192727, 0783-867736

### SECTION A

1. Why is saliva considered to be matter?
2. Mention any one way in which a biological change is similar to a chemical change.
3. Why do poultry farmers in urban areas prefer deep litter system to free range system?
4. Write down the vector that spreads elephantiasis.
5. What type of energy is possessed by a moving stone?
6. Why is a maize grain grouped under monocotyledonous seeds?
7. What practice enables a P.7 pupil to remove germs from his hands after using a latrine?
8. How are ferns, mosses and liverworts similar?
9. How does boiling of water help in the control of typhoid?
10. Write one way people save energy in their homes.
11. Why is it easier for Otim to push a wheel barrow full of manure downhill than uphill?
12. Apart from getting medical treatment, write any other piece of advice you can give to a friend suffering from flu.
13. State the compass direction in which a freely suspended magnet will rest.
14. Name any one characteristic of seeds which are dispersed by wind..
15. Give one way in which umbilical cord is important to the developing foetus in the uterus.
16. Cite any one component of sweat.
17. In which way is the breathing of a mosquito different from that of a scorpion?
18. How can a P. 7 pupil separate water from paraffin if poured in the same container?
19. How does mulching help to keep moisture in the soil?
20. What determines the size of an image in a pin hole camera?

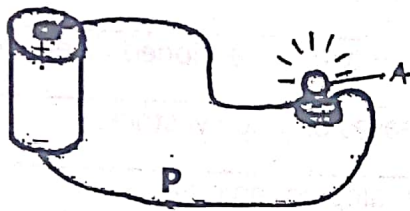


21. Apart from absorption of water and mineral salts, state one other use of roots to a cassava plant.
22. Give one reason why a baby with fever should be undressed.
23. Name the type of roots marked X  
life.



24. Give a reason why a blue dress appears blue.
25. Arrange the following organisms in the correct order of a food chain  
**Caterpillar** \_\_\_\_\_ **Lion** \_\_\_\_\_ **leaves** \_\_\_\_\_ **bird**
26. Suggest any one reason for isolating ebola victims.

The diagram below is of a simple circuit. Use it to answer questions 27 and 28.



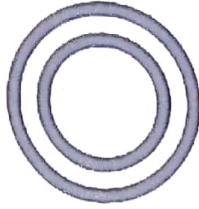
27. Draw on line P to show the direction of the flow of current.
28. Apart from light, which other form of energy is produced at A?
29. Give any one way in which the human liver can be kept in proper working condition
30. How does a human body regulate its temperature during hot days?
31. What is the importance of a chimney to a kitchen?
32. How is the fertilization of eggs of amphibians different from those of reptiles?

The diagram below is of a common animal. Use it to answer question 33.



33. Name the disease, the vector above spreads to humans

34. Give any one advantage of castrating farm animals.
35. Name any one crop with a root system similar to that of an orange plant.
36. How useful is the blood cell below to the body?

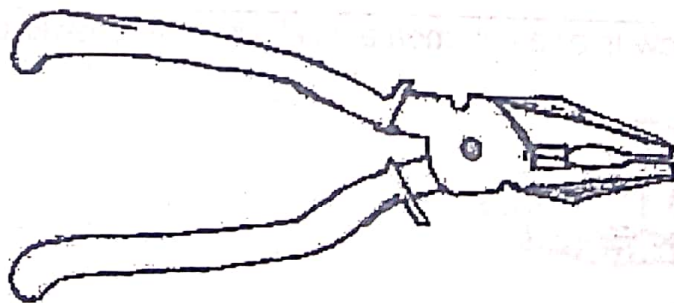


37. How are echoes prevented in cinema halls?
38. Suggest one reason for planting trees in and around an animal farm.
39. Mention any one organ of the human body protected by the rib cage.
40. Identify the harmful substance in tobacco that causes addiction.

#### SECTION B

41. Give any one disease that causes limping of cattle.
- (b). To which group of cattle diseases is the above mentioned disease?
- (b). Give any one factor that leads to diseases among livestock.
- (d). Name any one disease controlled by dipping animals.
42. (a). Write any one class of food.
- (b). Mention any one food stuff that supplies the class of food named above to the body.
- c). Which disease does a seventy year old get as a result of shortage of iron in the body?
- (d). Suggest any one way of protecting children against Kwashiorkor.

**43(a). The diagram below is of a simple machine. Use them to answer questions that follow.**



(a). Why is the above machine referred to as a simple machine?

b). To which class of levers does the above machine belong?

(c). Use letter H to show the effort on the machine above.

(d). Name any one example of a machine in the class of levers above.

44

(a). Write PIASCY in full.

(b). Give any one importance of PIASCY in a school.

c). Write any two PIASCY messages.

(i).

(ii).

45

(a). Give any one effect of heat on matter.

(b). Why are spaces left between rails during railway line constructions?

c). How does a glass behave when exposed to too much heat?

(d). Why does the glass behave that way?

6 (a). What term describes the way things benefit from each other in the environment?

(b). Identify any one organism that feeds saprophytically.

c). What are carnivores?

(d). Give any one way animals depends on plants.

47 (a) Give any two conditions in which women are vulnerable.

(i).

(ii).

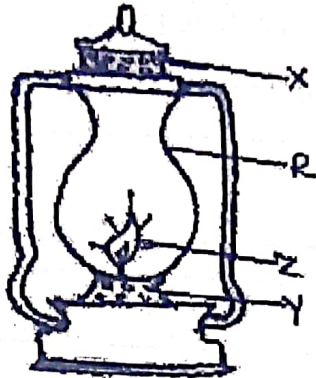
(b). State any two ways in which family members can care for vulnerable women.

(i).

(ii).



48. The diagram below shows a Kerosene lamp. Study and use it to answer the questions that follow.



- (a). Name the part marked with letter Z \_\_\_\_\_
- (b). Why is the part marked R made of glass? \_\_\_\_\_
- c). Give the importance of the part marked X and Y when the lamp is in use. \_\_\_\_\_
49. (a). Apart from the lack of conditions necessary for germination, Give any two other factors that can make a seed fail to germinate.
- (i). \_\_\_\_\_
- (ii). \_\_\_\_\_
- (b). Write down any two ways farmers can control pests in the garden without using chemicals.
- (i). \_\_\_\_\_
- (ii). \_\_\_\_\_
- 50(a). Name the type of joint found in each of the following parts of the human body.
- (i). Shoulders \_\_\_\_\_
- (ii). Wrist \_\_\_\_\_
- (b). Write down any two diseases that affect the skeletal system.
- (i). \_\_\_\_\_
- (ii). \_\_\_\_\_
- 51(a). Write down any one principle of Primary Health Care. \_\_\_\_\_
- (b). State the element of Primary Health Care which is promoted by each of the following activities.
- (i). Sweeping the kitchen \_\_\_\_\_
- (ii). Putting drops of polio vaccine into the mouth of a child. \_\_\_\_\_
- (iii). Feeding on a balanced diet. \_\_\_\_\_

52(a). What force makes a pencil to reduce in length as one writes?

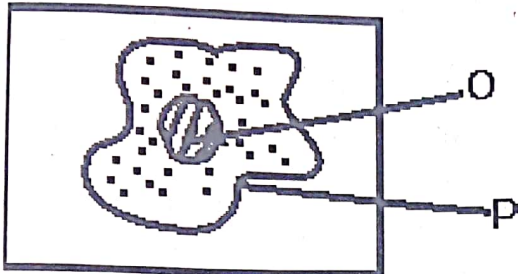
(b). Name any one form of energy produced by the force in 52 (a) above

c). Give any two disadvantages of the force you have named above.

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

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

53 (a). The diagram below is of an amoeba. Use it to answer questions that follow.



(a). What kind of organism is an amoeba?

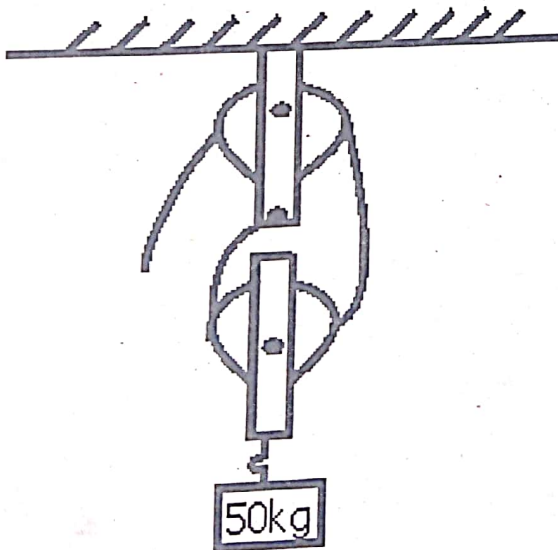
(b). Name the structures indicated by letters.

(i). O \_\_\_\_\_

(ii). P \_\_\_\_\_

c). How is the amoeba able to move from place to place?

54 (a). The diagram below is of a pulley system. Use it to answer questions that follow.



(a). Name the type of pulley system shown above

(b). Use an arrow to show the direction of effort.

- c). Find the mechanical advantage of the machine above and use it to calculate the effort needed to raise the load.

55 (a). How is a switch useful in an electric circuit?

(b). Write any one cause of a short circuit.

c). Give any one example of a primary cell.

(d). Give any one reason why a bulb may fail to work when the circuit is complete.

