



# VICTORY STEP EDUCATION SERVICES – KAMPALA

## PRIMARY TEACHER'S INTERVIEW

2024

### INTEGRATED SCIENCE

*Time Allowed: 2 hours 15 minutes*

Random No:						Personal No:		

Teacher's Name: .....

Teacher's signature: .....

District ID No: 

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DISTRICT NAME .....

School Name: .....

#### Read the following instructions carefully :

1. Do not forget to write your **school** or **district** on the paper
2. This paper has two sections: **A** and **B**.  
Section **A** has **40** questions and section **B** has **15** questions.
3. Answer **all** questions. All answers to both Sections **A** and **B** must be written in the spaces provided.
4. All answers must be written using a **blue** Or **black** ball point pen or ink. Any work Written in pencil will not be marked.
5. Unnecessary changes in your work and handwriting that cannot be read easily may lead to loss of marks.
6. Do not fill anything in the table indicated  
**"FOR EXAMINER'S USE ONLY"**

FOR EXAMINER' 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		

## SECTION A: 40 MARKS

Questions 1 to 40 carry one mark each.

1. Which part of an egg carries out gaseous exchange?

.....

2. Why is DPT – HEP B + Hib vaccine called a pentavalent vaccine?

.....

3. How do high temperatures affect the enzymes during food digestion?

.....

4. Which body organ makes harmful materials in the body harmless?

.....

5. How useful is a bulb on a clinical thermometer?

.....

6. What is meant by the term "atmospheric pressure ?"

.....

.....

7. Give a reason for putting a wind vane in an open place.

.....

8. How does washing of clothes prevent a bad smell?

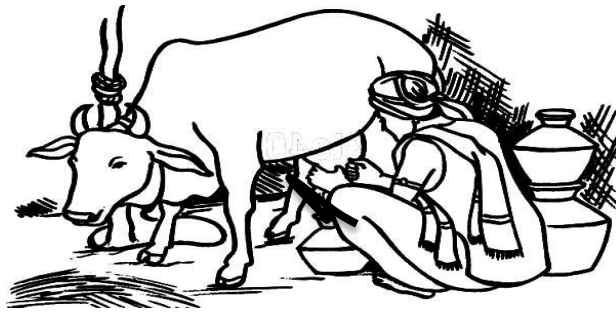
.....

9. How is feeding different from nutrition ?

.....

.....

Use the diagram below and use it to answer the questions that follow.



10. Why does a farmer tie the cow like in the diagram above?

.....

11. Identify the specific place where the above activity is carried out from.

.....

12. Which vitamin leads to infertility when not taken in the right amount?

.....

13. How are plants different from animals in the way they get food?

.....

14. What is the best way of preventing foot and mouth disease in cattle?

.....

15. State any one way in which the first aid for cuts is different from the first first aid for burns.

.....

16. Give one sign you would use to identify a commuted fracture.

.....

17. Why is a cork useful in a vacuum flask?

.....

18. Name one practice which increases the spread of bilharziasis.  
.....
19. Give one way in which friction is important to a person riding a bicycle.  
.....
20. Give one reason why vaccines are used in the prevention of some diseases.  
.....
21. Why is the fuse made of a thin wire?  
.....
22. How does the covering of food during cooking conserve wood fuel?  
.....
23. Apart from saanen goat and toggenburg , identify any other example of dairy breed of goats.  
.....
24. Give one reason why less effort is used to move a load using first class levers.  
.....
25. Name one instrument used to produce sound stored by sol-fa notation.  
.....
26. Which type of electricity is produced by a generator?  
.....
27. How do plants like paw paws prevent self-pollination?  
.....
28. Give one situation where heat gain in matter is important?  
.....
29. Which process in plants help in the formation of rain?  
.....

30. Why is a sugarcane not regarded as a stemtuber ?

.....  
.....

31. Name the kind of energy possessed by water at  $0^{\circ}\text{C}$ ?

.....

32. How is a dandelion adapted to its mode of seed dispersal?

.....

33. Which circulatory disease is controlled by using ABC method/

.....

34. How are foliage leaves important to an onion?

.....

35. Give one structural characteristic of the tap root system.

.....

36. Give one way in which mono cropping lead to soil infertility.

.....

37. In which one way does air pollution affect human health?

.....

38. How does the epiglottis prevent food choking during swallowing action?

.....

39. State method used to prepare local salt at home.

.....

40. Where does conception take place in the female reproductive system?

.....

SECTION B: (60 MARKS).

41a) State any two pieces of advice you would give to young girls to avoid to avoid teenage pregnancies.

i) .....

ii) .....

b) Mention any two services provided to expectant mothers during ante – natal care.

i) .....

ii) .....

42a) Which type of cattle is used for ploughing and transportation of goods?

.....

b) Which breed of cattle is obtained by mating a pure local breed with an an exotic breed of cattle?

.....

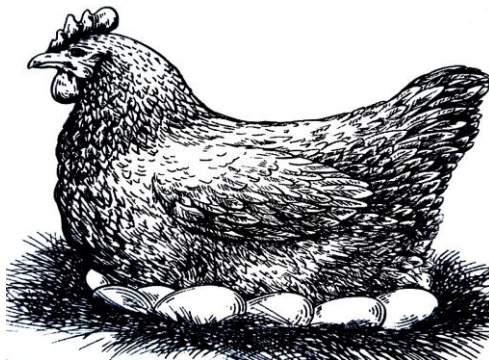
c) Which method of cattle grazing help to control soil erosion?

.....

d) Give one advantage of the method mentioned in 42(c) above.

.....

43a) Which type of incubation is shown in the diagram below?



.....

- b) Why do farmers prefer artificial method of incubation to natural method?  
.....
- c) Mention any two conditions that may lead an egg fail to hatch.
- i) .....
- ii) .....
- 44a) How can one differentiate mass from weight using standard units?  
.....  
.....
- b) The mass of a stone is 360g and the density is 24g/cc. By drawing a diagram show the volume of the stone using the displacement method of using two measuring cylinders.

***(02 marks)***

45a) Give one group of artificial fertilizers .

i) .....

ii) .....

b) Name the method of applying fertilizers shown in the diagram below.



.....

c) Mention any two inorganic fertilizers that can applied using the above method.

i) .....

ii) .....

46a) In four sentences , explain briefly an experiment to show that air has weight.

i) .....

.....

ii) .....

.....

ii) .....

.....

iv) .....

.....



47. The table below shows part of a child's health card. Use it to answer the questions that follow.

	1	2	3
BCG VACCINE	12/09/2019		
POLIO VACCINE	11/09/2019	16/12/2019	12/01/2020
DPT – HEP B + HIB VACCINE	11/09/2019	16/12/2019	13/01/2020
MEASLES VACCINE	9/05/2020	<b>COMPLETED</b>	

- a) When was the child born?

.....

- b) Give a reason for your answer in 47(a) above.

.....

.....

- c) At what age did this child complete his or her immunization?

.....

- d) How is the above information important to a child ?

.....

.....

- 48a) What happens to the following when the forearm is raised?

i) Biceps .....

ii) Triceps .....

b) Which movement does a hinge joint have during movement?

.....

c) Give one way physical exercises are important to joints.

.....

49a) Why is it a bad practice to cut finger nails using teeth?

.....

.....

b) Which digestive disorder results from eating food while talking?

.....

c) Name the component of a balanced diet that helps in the prevention of constipation.

.....

.....

d) Name the mineral salt that is necessary for blood formation..

.....

50a) How is a dental brace important in proper teeth management?

.....

.....

b) Give two causes of broken teeth or cracked teeth.

i) .....

.....

ii) .....

.....

51. Kakuru a P.6 child at Uganda Marty's Katwe Primary School Masaka is always disturbed with calculations under temperature (changing from  $C^0$  to  $F^0$ ) and vice versa. Briefly explain the steps as a teacher you can take to ensure that Kakuru can understand this concept of calculations very well as a teacher of science.

**(05marks)**

i) .....

ii) .....

iii) .....

iv) .....

v) .....

52. You are provided with the following as a teacher of science .

1. Curriculum

2. Science teacher's guide.

3. Approved science textbooks.

4. Answer sheets.

a) Prepare a scheme of work about any topic of your wish and make sure it is well detailed.

**(05 marks)**

b) From the above scheme of work you have prepared , prepare a 45 minute lesson plan about the topic you picked and schemed about.

***(05 marks)***

c) Make a classroom demonstration about the topic you prepared , use all learning aids in the class for the proper understanding of the concept by learners.

***(05 marks)***

**END AND WE WISH YOU SUCCESS.**