KOLFRAM EDUCATIONAL SERVICES KAMPALA



PRE NATIONAL MOCK examination **2024**

SET two

integrated science

*Time allowed:* ***2*** *hours 15 minutes*

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Random Number | | | | | | Personal Number | | |
|  |  |  |  |  |  |  |  |  |

**Index Number:**

**Candidate’s Name:** ………………………………...…………….……..…….…………………...

**Candidate’s Signature:** …………………………………………………………………………...

**School Name:** ……………………………………..………………….…………...……………….…

**District Name:** ……………………………………….………………………..….…………………..

**DO NOT OPEN THIS BOOKLET UNLESS YOU ARE TOLD TO DO SO**

**Read and follow these instructions carefully:**

1. This paper has **two** sections: **A** and **B**. Section **A** has **40** questions and section **B** has **15** questions. The paper has **12** printed pages.
2. Answer **all** questions. **All** answers to both sections A and B must be shown in the spaces provided.
3. All answers **must** be written using a **blue** or **black** ball point pen or ink. Any answer written in pencils other than on graphs and diagrams will **not** be marked.
4.  No calculators or **electronic** pens are allowed in the examination room.
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 EXAMINERS' USE ONLY**" and boxes inside the question paper.

|  |
| --- |
| **For examiner’s use only** |
|  |

|  |  |  |
| --- | --- | --- |
| **QN. NO.** | **MARKS** | **EX’ER’S INITIAL** |
| 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**

***©* 2024 KESK p7 science pre national mock set ii EXAMINATION**

*Trust Kolfram Educational Services for quality workbooks, companion books, PLE revision workbooks, PLE question Banks, Topical workbooks, Quality Assessments and Holiday packages*

***(****Questions 1 to 40 carry one mark each****)***

1. State **one** way in which a child gets natural immunity.

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. Give **one** factor to be considered when choosing a site for a school garden.

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. Give any **one** use of reptiles to man.

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. What energy change takes place immediately a ball is kicked?

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. Why is it a bad practice to store cooked food in room where domestic animals are kept?

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. Name any **one** by –product of respiration.

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. How do conifers differ from other non- flowering plants?

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. How does a sweater help to keep a person warm during cold days?

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. How does a millipede protect itself from danger?

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. How do road builders increase friction on the surface of the road?

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. Why is dew formed at night?

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. Give any **one** sign of dehydrated person.

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. What is the disadvantage of having anthills near gardens?

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. Why does blood go to the kidneys during circulation?

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. Why is it a bad habit to cut finger nails using teeth?

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. What kind of change takes place when ice melts to form water?

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. State any **one** problem of early pregnancy to a school girl below 18 years.

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. What form of energy does a falling stone have before it reaches the ground?

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. Give any **one** way in which litter is important in a poultry house.

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. State **one** effects of heat on a metal

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. Why does a coin sink when it is placed in a basin full of water?

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. Why are vaccine used in the prevention of certain diseases?

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. Name the energy resource obtained from animal dung and urine

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. Name any **one** mammal that lives in water.

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. Why is it important for a husband and his wife to be treated together if they have got gonorrhea?

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. What causes an echo?

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. Give any **one** use of the placenta to the foetus during pregnancy

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. Give **one** way in which the use of solar energy is good to our environment.

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. State any **one** way in which smoking affects the human respiratory system.

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. Apart from ears, mention any **one** other sense organ in living organisms.

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. What structures on the leaf of a plant help in the process of transpiration?

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. Why is water obtained by distillation method not good for drinking?

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. Why is a clay soil able to retain water much longer than the other types of soil?

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. What process will you use to recover salt which has dissolved in water?

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. Give any **one** way in which a Child Card is important to a school Health Committee.

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. How does the breathing of an adult frog differ from of a tadpole?

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. Give any **one** way in which bacteria are dangerous to human beings.

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. State **one** way in which rain may be a disadvantage to a crop.

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. State **one** natural source of sound energy.

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. Give **one** activity the community can do to reduce road accidents.

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

**Section B (60 marks)**

*Question* **41** *to* **55** *carries* **4** *marks each)*

1. **(a)** Suggest **two** reasons why young farmers’ clubs are important in schools

(i)…………………………………………………………………………………………………………..

(ii)……………………………………...………………………………………………………………….

(b) Give any **two** activities that can be done by young farmers’ clubs in school.

(i)…………………………………………………………………………………………………………..

(ii)……………………………………...………………………………………………………………….

1. **An experiment was done by a P 7 class as shown in the diagram below. Use it to answer the question that follow.**

Can

*water*

object

20cc

10cc

(a) When is such a method of finding volume used?

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

(b) If the object above has a density of 3 g/cm3. Find the mass of the object.

1. How does each of the following animals protect itself against its enemies?

(a) Tortoise: …………………………………………………………………………………………..

(b) Wasp: ………………………………………………………………………………………………

(c) Millipede : …………………………………………………………………………………………

(d) Chameleon:….……………………………………………………………………………………

1. **Study the table below and answer the question that follow**

|  |  |
| --- | --- |
| LIST A | LIST B |
| Rat  Goat  Lion  whale | Tilapia  Frog  Crocodile  Dove |

(a) What is the similarity in the way animals in list B reproduce?

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

(b) To which class of animals do those in list **A** belong?

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

(c) In which way is tilapia in list A similar to a whale in list B ?

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

(d) What is common about the animals in list A and list B?

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. (a) What is meant by drug abuse?

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

(b) Give any **two** pieces of advice to a person who is on drug abuse.

(i)…………………………………………………………………………………………………………..

(ii)……………………………………...………………………………………………………………….

(c) Give any **one** reason why a patient should take a drug only when it is prescribed by a medical person.

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. (a) Give any **two** reasons for preserving food

(i)…………………………………………………………………………………………………………..

(ii)……………………………………...………………………………………………………………….

(b) Give any **one** traditional way of preserving fish in Uganda.

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

(c) Why is smoking not a good method of preserving meat?

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. (a) Suggest **two** methods that can promote the idea of PHC in a school.

(i)…………………………………………………………………………………………………………..

(ii)……………………………………...………………………………………………………………….

(b) State any **two** activities that committees should do in your village.

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. (a) Give any **two** characteristics of insect pollinated flowers.

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

(b) Why is a moth able to pollinate plants at night?

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

(c ) State the difference between self-pollination and cross pollination

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. (a) How do bacteria reproduce?

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

(b) Give **two** examples where bacteria are useful to human beings.

(i)…………………………………………………………………………………………………………..

(ii)……………………………………...………………………………………………………………….

(c) State any **one** way we can control danger caused by the bacteria.

(i)…………………………………………………………………………………………………………..

(ii)……………………………………...………………………………………………………………….

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

(i)…………………………………………………………………………………………………………..

(ii)……………………………………...………………………………………………………………….

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

(i)…………………………………………………………………………………………………………..

(ii)……………………………………...………………………………………………………………….

1. (a) What type of change takes place when an iron tool rusts?

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

(b) Give **two** conditions necessary for rusting to take place on an iron tool

(i)…………………………………………………………………………………………………………..

(ii)……………………………………...………………………………………………………………….

(c) State any **one** effect of rusting on iron tools.

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. (a) Name any **two** products got from sheep.

(i)…………………………………………………………………………………………………………..

(ii)……………………………………...………………………………………………………………….

(b) What does shearing refer to in sheep rearing?

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

(c) How can a farmer control pneumonia in sheep?

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. (a) Name the respiratory organ which is protected by the rib cage.

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

(b) What happen to the rib cage during the following process:

(i) breathing in? :……………………………………………………………………………….

(ii) breathing out?: ……………………………………………………………………………..

(c) Give the use of oxygen we breathe in.

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

1. (a) State any **one** method of making alcohol.

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

(b) Give any **one** way in which alcohol is used in hospitals.

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

(c) State any **two** effects of alcoholism to an individual.

(i)…………………………………………………………………………………………………………..

(ii)……………………………………...………………………………………………………………….

1. (a) Apart from providing balanced diet, give **two** other ways of caring for pregnant women.

(i)…………………………………………………………………………………………………………..

(ii)……………………………………...………………………………………………………………….

(b) In which **one** ways should pregnant women protect their unborn babies from malaria?

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..

(c) Why are pregnant women advised not to smoke?

………………………………………………………………………………………………………………………………………………...…………………………………………………………………………..