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QUESTIONS and ANSWERS

SUBJECT: **Non-Ruminants farming**

ACADEMIC YEAR: **2020-2021**

NESA-2021 NESA-2021 NESA-2021 NESA-2021 NESA-2021 NESA-2021 NESA-2021 NESA-2021 NESA-2021 NESA-2021

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TVET NATIONAL EXAMINATION, RTQF LEVEL 5, 2020-2021

INSTRUCTIONS TO CANDIDATES: PART I (Answer Booklet)

1. A candidate should fill in the actual names and the index number on the cover of this questions and answer booklet on the provided place (Black Box).
2. It is illegal for a candidate to write any of his/her names, index number or a school name inside the answer booklet.
3. A candidate should check if all pages of the answer booklet are complete. No candidate should remove or tear any pages or part of it from the answer booklet.
4. A candidate should answer in the language in which the examination is set. (See page **(ii)**)
5. A candidate should sign on the sitting plan when submitting the answer booklet. He/she has also to check if the answer booklet is well sealed.
6. No extra paper is allowed in the examinations room. If a candidate is caught with it his/her results will be nullified.
7. No candidate is allowed to write answers not related to the subject being sat for, otherwise it will be considered as a cheating case.
8. Write your answers on the 12 lined pages (From page 1 of 12 to page 12 of 12).
9. Use the last non-lined pages as draft.
10. Results for any candidate who is caught in examination malpractices are nullified. The cheating can be recognized during examinations administration, marking exercise or even thereafter.

TVET NATIONAL EXAMINATION, RTQF LEVEL 5, 2020-2021

OPTION/TRADE: ANIMAL HEALTH

SUBJECT: Non-Ruminants farming

DURATION: 3 hours

INSTRUCTIONS TO CANDIDATES: PART II (Question paper)

The paper is composed of two (2) main Sections as follows:

Section I: Attempt all the Twelve (12) questions (60 marks)

Section II: Attempt any Four (4) questions out of Six (6) (40 marks)

Allowed materials:

- Ruler and square
- Calculator

Note:

Every candidate is required to carefully comply with the provided assessment instructions.

Section I: Attempt all the Twelve (12) questions (60 marks)

1. Explain the following terms. **(5 marks)**
- a) Chick
 - b) Pullet
 - c) Cockerel
 - d) Hen
 - e) Tom
2. What do you understand by debeaking? Explain why it is an important practice in laying flock. **(5 marks)**
3. In poultry farming, if pullets have to be moved (transferred) from one house to another some rules have to be followed. What are those rules? **(5 marks)**
4. a. During the brooding period, the artificial heat should be provided to chicks, why?
b. What happen when the temperature is too high in brooder? **(5 marks)**
5. Differentiate mass selection from pedigree as the methods of breeds selection in poultry. **(5 marks)**
6. You are hired in hatchery and you are given the responsibility of selecting eggs and setting them into the incubator.
- a) In selecting eggs for incubation, give any six (6) causes for rejecting eggs. **(3 marks)**
 - b) While setting the eggs in the incubator, should the broad end be up or down? Explain. **(2 marks)**
7. Give the sources of heat in poultry farming shelter. **(5 marks)**

8. A farmer needs to eliminate excess newborn rabbits from a large litter by means of fostering. Identify the rules to respect when fostering them to a smaller litter. (5 marks)
9. What is coecotrophy? Give its role. (5 marks)
10. The White New Zealand is the most exploited rabbit breed in Rwanda. Outline its five (5) most important characteristics. (5 marks)
11. How is pig managed during Pregnancy? (5 marks)
12. Basing on physical characteristics, give the difference between landrace and large white pig. (5 marks)

Section II: Attempt any Four (4) questions out of Six (6) (40 marks)

13. What are steps involved in commercial hatchery operations? **(10 marks)**

14. A technician should be familiar with mating in rabbits.

a) Explain the mating in rabbits (management and frequency of mating for the buck, ratio and proper time of the day for mating). **(7 marks)**

b) Why is the mating always done in the buck's cage? **(3 marks)**

15. Describe Bio-chemical prevention measures taken for controlling pig diseases. **(10 marks)**

16. Iron Supplement is necessary for young piglet, describe the method of giving iron and the indications of iron in management of young piglet. **(10 marks)**

17. Cross breeding is crossing of two breeds which are genetically different or the ability to combine in one or more individual of desirable characteristics of two or more existing breeds. By using an example, make a chart of absorption and rotational cross breeding in pig farming. **(10 marks)**

18. Parasites are organisms which live on other living things (hosts) and obtain food and shelter from the host.

a) What are the major problems caused by worms to infested animals?

b) Give the general signs of worm infestation in pig. **(10 marks)**

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