**NAME……………………………………………………INDEX NO. ………………CLASS………**

**ADM NO…………………….DATE: ……………………………..SIGN: …………………….………**

443/2

AGRICULTURE

PAPER 11

SEPTEMBER 2019

2 HRS

**PANGANI GIRLS’ HIGH SCHOOL**

**POST MOCK 2019**

*Kenya Certificate of Secondary education (K.C.S.E)*

* Write your name and number in the spaces provided at the top of this page.
* Sign and write the date of the examination in the space provided above.
* This paper consists of three sections A, B and C.
* Answer ALL questions in section A and B.
* Answer any TWO questions in section C.
* Candidate should answer the questions in English.
* All answers should be written in the spaces provided.
* Candidates should check the question paper to ascertain that all pages are printed as indicated and that no questions are missing.

**FOR EXAMINERS USE ONLY**

|  |  |  |  |
| --- | --- | --- | --- |
| SECTION  | QUESTION | MAXIMUM SCORE | CANDIDATE SCORE |
| A |  | 30 |  |
| B |  | 20 |  |
| C |  | 20 |  |
|  |  | 20 |  |
| TOTAL SCORE |  90 |  |

 ***SECTION A (30 MARKS)***

**Answer all the questions in this section in the spaces provide**

1. Give the terms used to refer to the following farm animals
2. Mature female goat ½ mk ………………………………………………………………………………………………………
3. Mature castrated male cattle ½ mk …………………………………………………………………………………………………………………………………………………………………………….
4. A young female pig from weaning up to the first parturition. ½ mk ………................................................................................................................................................
5. Young female bird from eight weeks to point of laying. ½ mk …………………………………………………………………………………………………………………………………………………………………………….
6. State four characteristics of Romney Marsh sheep breed. 2mks ………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………
7. State three uses of camels in the arid and semi-arid regions. 1 ½ mks ……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………............................................................................
8. State three qualities of a creep feed that makes it suitable for piglets. 1 ½ mks ………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………
9. State three reasons for spreading a polythene paper (PVC) on the slab of a permanent farm building. 1 ½ mks ………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………
10. Classify livestock diseases by cause 2mks ………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………
11. How does proper nutrition help in control of livestock diseases? 2mks ………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………
12. State four reasons why it is important to know the life cycle of a parasite in livestock production. 2mks ………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………
13. Define the following terms as used in livestock nutrition.
14. Starch equivalent ½ mk ………………………………………………………………………………………………………………………………………………………………………………………………………………
15. Dry matter ½ mk ………………………………………………………………………………………………………………………………………………………………………………………………………………
16. Digestible crude protein ½ mk ………………………………………………………………………………………………………………………………………………………………………………………………………………
17. Crude protein ½ mk ………………………………………………………………………………………………………………………………………………………………………………………………………………
18. Kadogo secondary school has a deep litter poultry house measuring 10 m x 4m. if the space allocated per bird is 0.28m2, how many birds can the school keep. 2mks ………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………
19. What are the advantages of a spray race over a plunge dip 2mks ………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………
20. Give the most appropriate tools used in the following operations.
21. Removing metal clippings in files ½ mk ………………………………………………………………………………………………………
22. Cutting wood along grains ½ mk ………………………………………………………………………………………………………
23. Cutting threads on pipes ½ mk ………………………………………………………………………………………………………
24. Give four methods of treating timber 2mks ………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………
25. State the importance of fish farming in Kenya 2mks ………………………………………………………………………………….. ………………………………………………………………………………………………………………………………………………………………………………………………………………
26. Give reasons why bees swarm. 2mks ………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………
27. Give the importance of carrying out identification practice in animals. 2mks ………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

**SECTION B ( 20MKS )**

Answer all the questions in this section in the spaces provided.

1. The diagram below shows the internal structure of an egg. Use it to answer the questions that follows:



1. Name the parts marked P,Q and R 3mks

P ……………………………………………………………………………..

Q …………………………………………………………………………….

R ………………………………………………………………….........................

1. Give two defects that may be found on the part marked M that can make the egg unsuitable for incubation. 2mks ………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………
2. Study the diagram of a biogas digester plant Shown below and answer the questions that follow.



1. Name the major component of biogas that is trapped in part L 1mk …………………………………………………………………………………………………….
2. Give the name and use of the material deposited in the part labeled M 2mks ………………………………………………………………………………………………………
3. What is the component of K in the biogas digester? 1mk ………………………………………………………………………………………………………………………………………………………………………………………………………………
4. Outline two disadvantages of biogas as a source of farm power 1mk ………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………
5. Study the diagram below and then answer the questions that follows



1. Identify the method of identification shown above 1mk …………………………………………………………………………………………....................
2. Give the identification number of the animal shown above. 1mk ………………………………………………………………………………………………………
3. Name three other methods used in identifying animals 3mks ………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………
4. The diagram below shows a farm implement. Study it carefully and then answer the questions that follows:



1. Identify the implement 1mk ………………………………………………………………………………………………………
2. Name the pars labeled A and C 2mks

A ……………………………………………………………………….

C ………………………………………………………………………………

1. State the functions of the part labeled B and F 2mks

B ………………………………………………………………………………………………………………………………………………………………………………………………………………

F ………………………………………………………………………………………………………………………………………………………………………………………………………………

**SECTION C (40 MARKS)**

Answer any **two** questions from this section in the spaces provided.

1. Describe the life cycle of round worms. ( AscarisSPP) 10mks ………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………
2. State and explain five factors that influence the power output of draught animals. 10mks ………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………
3. Describe the construction of a rabbit hutch under the following subheadings:
4. Siting the hutch 3mks ……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………
5. Selection of construction materials. 4mks …………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………
6. Requirements of a rabbit hutch 3mks ………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………
7. Describe the maintenance practices carried out on a tractor before it is put to daily use. 10mks ………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………
8. State the advantages of four stroke cycle engines. 5mks ………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………
9. State the causes of stress in poultry. 8mks ………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………
10. Explain the control measures of cannibalism in poultry. 7mks ………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………