**SUKELLEMO MOCK 2021**

**443/2**

**AGRICULTURE 443/2**

**PAPER 2**

**2 HOURS**

**NAME--------------------------------------------------------------------------INDEX NO. -----------**

**INSTRUCTIONS TO CANDITATES.**

Write your name and index number in the spaces provided above.

This paper consists of 3 sections A, B and C .

Answer all the questions in section A and B in the spaces provided.

Select any TWO questions in section C.

ALL answers should be written in spaces provided.

FOR EXAMINERS USE ONLY

|  |  |  |  |
| --- | --- | --- | --- |
| SECTION | QUESTION | MAXIMUM SCORE | CANDIDATES SCORE |
| A | 1-17 | 30 |  |
| B | 18-20 | 20 |  |
| C | 21-23 | 40 |  |
| TOTAL |  | 90 |  |

**SECTION A (30MKS)**

1. State **three** management practices that should be carried out in wheel barrow. (1 ½ mks)

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2. Outline **two** cultural importances of livestock. (1 mk)

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3. Give **four** reasons why a dairy farmer would prefer to keep jersey cattle breed to Friesian breed? 2mks)

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4. Give the distinguishing color for each of the following breeds of livestock.(1mk)

i ) Duroc jersey pig------------------------------------------------------------------------------

iv) Saanen----------------------------------------------------------------------------------------

5. State any **two** prophylactic measures used in livestock health. (1mks)

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6. Give the nutritional disorder that results from deficiency of the following minerals. (1 mk)

a) copper---------------------------------------------------------------------------------------------------

b) iodine ----------------------------------------------------------------------------------------------------

7. State **two** precaution measures that should be taken when handling vaccines. (1mk)

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8. Which **two** hormones are responsible for milk let down? (1mk)

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9. Give **two** disadvantages of water power as a source of farm power. (1 mk)

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10. Give **two** advantages of complete milking. (1mk)

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11. Using pearsons square method compute 250kg ration with 25% DCP from cotton seed cake which contains 18%DCP and from wheat bran which contains 36% DCP.(3mks)

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12. State **two** use of a donkey in the farm.(1mk)

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13Why is a calf pen raised 50cm above the ground level? (1mk)

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14. State **two** reasons of tailing in sheep. (1mk)

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15. Give **two** uses of a gearbox in a tractor. (1mk)

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16. Name the rabbit breed that give high quality fur. (1/2 mk)

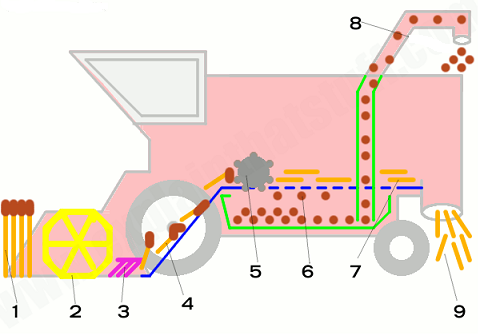
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17. Give **one** reason as to why animals suffering from milk fever should never be given medicine through the mouth. (2mks)

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**SECTION B (20MKS)**

18. Below is diagram of a farm implement. Study it answer questions that follow.



a) Identify the implement.(1mk)

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b) Name parts labeled . (2 mks)

1-----------------------------------------------------------------------------------------

2---------------------------------------------------------------------------------------

5----------------------------------------------------------------------------------------

8-----------------------------------------------------------------------------------------

c) Give a function of each of the parts you have named above. (2mks)

1-------------------------------------------------------------------------- ---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

2-------------------------------------------------------------------------- ---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

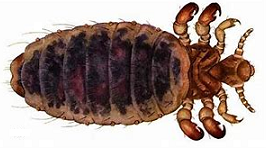
3-------------------------------------------------------------------------- ---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

8-------------------------------------------------------------------------- ---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

d) Give the main function of the machinery illustrated above. (1mk)

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19. The diagram below represents an external parasite.



a) )Identify the parasite. (1mk)

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b) Discuss the parasite under the following subheadings

i) Main animal affected. (1mk)

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ii) Harmful effects (2mks)

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iii) Control measures (2mks)

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20. The diagram below represents a livestock management practice.

[](https://www.bing.com/images/search?view=detailV2&ccid=9xlL3QQ1&id=32B28500DCF76C54A1D9C80CAFF7480D0FD85E3C&thid=OIP.9xlL3QQ1zPNZb9MDaFCQUQHaEz&mediaurl=https://www.livestocking.net/wp-content/uploads/2015/12/tattooing.jpg&exph=415&expw=640&q=+ear+tattooing+in+cattle+images&simid=608000874500589518&ck=24D96C48F956E5BE3B634CCF901C747C&selectedIndex=0)[](https://www.bing.com/images/search?view=detailV2&ccid=49UZoaTM&id=E75508E269ABB23584591C55B9B7A4CDE36B8F16&thid=OIP.49UZoaTMv2LOzRMoZaJydgHaEm&mediaurl=https://www.farmersweekly.co.za/wp-content/uploads/2018/11/branded-brahman-bull-696x432.jpg&exph=432&expw=696&q=picture+of+a+branded+cattle&simid=608045409006258436&ck=33616B7BA2C3426E5313230F3F5325A6&selectedIndex=1)

a) Name the livestock identification method illustrated above. (2mks)

X-----------------------------------------------------------------------------------------------------------------------------

Y—--------------------------------------------------------------------------------------------------------------------------

b) Give an example of an animal where each of the practice is done. (2mks)

X---------------------------------------------------------------------------------------------------------------------------

Y----------------------------------------------------------------------------------------------------------------------------c) Name the tool used to carry out practice labeled (1mk)

X----------------------------------------------------------------------------------------------------------------------------

Y-----------------------------------------------------------------------------------------------------------------------------

**SECTION C (40MKS)**

Select any **two** questions.

21.a) Explain **five** reasons for maintaining tools and equipments. (5mks)

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b) Describe the physical signs of good health in an animal. (4mks)

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d) Give the procedure of preparing artificial colostrums. (5mks)

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b) Explain the life cycle of two host tick.(6 mks)

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c) Explain **four** conditions that should be met by all livestock housing structures.(4mks)

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d) Explain **three** differences between ruminants and non ruminants.(3mks)

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23.a) state **six** control measures of egg eating in poultry management.(6mks)

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b) Discuss the functions of materials and equipments that are needed in milking. (7mks)

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