

NAME----- Adm. No ----- Class-----

443/2

AGRICULTURE

PAPER 2

2 HOURS

ALLIANCE HIGH SCHOOL 2022 TRIALS

Instruction to Candidates

- Write your name and index number in the space 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 section A, B. and C.
- Answer all questions in section A and B.
- Answer any two questions in section c.
- Answers should be written in the space provided.
- Candidates should check the question paper to ascertain that all pages are printed as indicated and that no questions are missing.
- Candidates should answer the question in English.

FOR EXAMINER'S USE ONLY

SECTION	QUESTION	MAXIMUM SCORE	CANDIDATES SCORE
A	1-16	30	
B	17-20	20	
C		20	
		20	
	TOTAL SCORE	90	

SECTION A (30MKS)

1. State **three** management practices that should be carried out in wheel barrow. (1½mks)

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2. Outline **two** cultural importance 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. (1mk)

a) copper

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b) iodine

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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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13. *Why* is a calf pen raised 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)

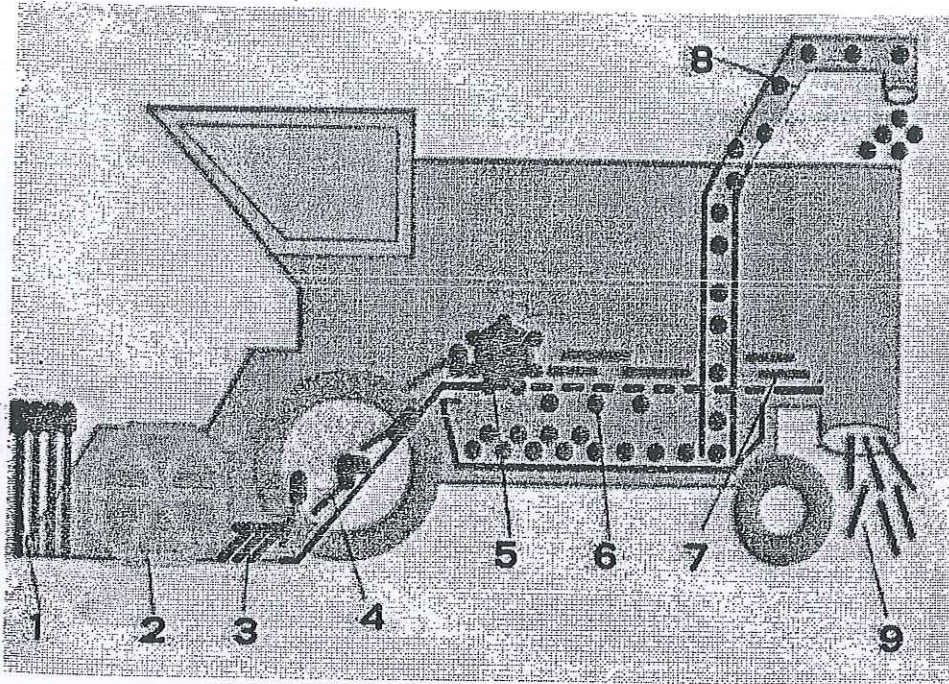
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17. Give **one** reason as to why animals suffering from milk fever should never be given medicine through the mouth. (2mks)

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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.....

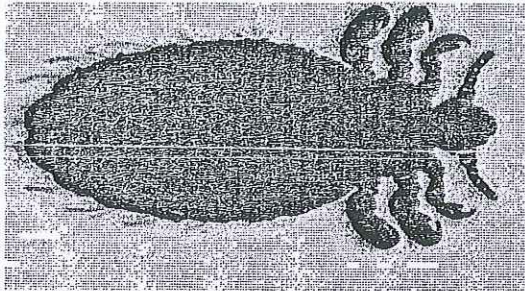
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3-----

8-----

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

19. The diagram below represents an external parasite.



a) Identify the parasite. (1mk)

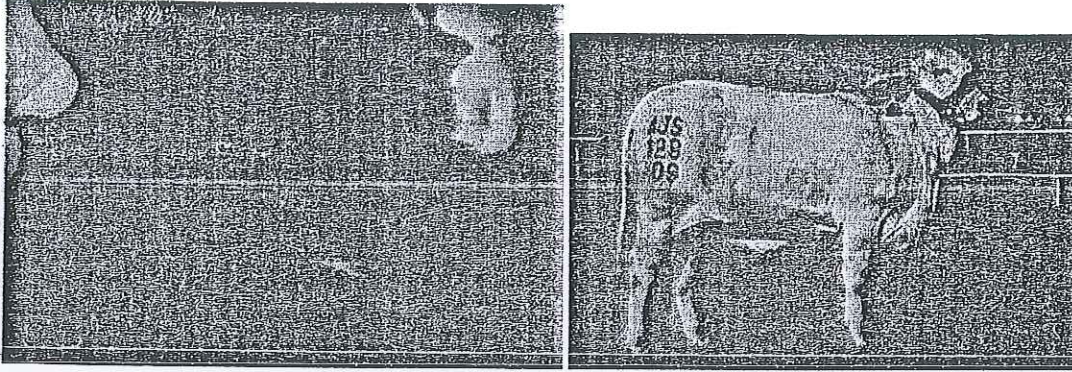
b) Discuss the parasite under the following subheadings

i) Main animal affected. (1mk)

ii) Harmful effects. (2mks)

iii) Control measures. (2mks)

20. The diagram below represents a livestock management practice.



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)
- b) Describe the physical signs of good health in an animal. (4mks)
- c) State **six** functions of water in an animal's diet. (6mks)
- d) Give the procedure of preparing artificial colostrums. (5mks)
- 22.a) Discuss **six** factors that should be considered when selecting construction materials. (6mks)
- b) Explain the life cycle of two host tick. (6 mks)
- c) Explain **four** conditions that should be met by all livestock housing structures. (4mks)
- d) Explain **three** differences between ruminants and non-ruminants. (3mks)
- 23.a) state **six** control measures of egg eating in poultry management. (6mks)
- b) Discuss the functions of materials and equipments that are needed in milking. (7mks)
- c) compare characteristics of indigenous cattle to those of exotic breeds of cattle. (7mks)