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**School: ……………………………………………………....…. Candidate’s sign ……………………....**

**Date: ……………………………………………………………**

**443/2**

**AGRICULTURE**

**PAPER 2**

**TIME: 2 HOURS**

**PANGANI GIRLS’ HIGH SCHOOL**

**POST MOCK 2022**

***Kenya Certificate of Secondary Education (KCSE)***

***Feb 2022***

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

**FORM FOUR**

**INSTRUCTIONS TO CANDIDATES:**

* *Write* ***your name*** *and* ***Index number*** *and* ***sign*** *in the spaces provided above.*
* *Answer* ***ALL*** *the questions in section* ***A*** *and* ***B*** *in the spaces provided in this booklet.*
* *Answer* ***any two*** *questions in section* ***C*** *in the spaces provided after the last question.*

***For Examiner’s Use Only:***

|  |  |  |  |
| --- | --- | --- | --- |
| **SECTION** | **QUESTIONS** | **MAXIMUM SCORE** | **CANDIDATES SCORE** |
| A | 1-18 | 30 |  |
| B | 19-21 | 20 |  |
| C | 22-24 | 40 |  |
|  | **TOTAL** | **90** |  |

**SECTION A (30MARKS)**

***Answer all the questions in this section.***

1. State two reasons of using farm tools and equipment in the farm. (2mks)

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2. State three reasons that would make a farmer opt to rear indigenous cattle breeds instead of exotic cattle breeds. (1 ½ mks)

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3. State three characteristics of Bacterian type of camel. (1 ½ mks)

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4. Name four factors that influence the pulse rate of an animal. (2mks)

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5. State three signs of attack by endoparasites a farmer can observe. (1 ½ mks)

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6. State four factors that determine the amount of food given to an animal. (2mks)

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7. Name three reasons that would make a farmer use a machakos dip instead of a plunge dip to control ticks. (1 ½ mks)

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8. State four factors considered when selecting construction materials. (2mks)

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9. Name three methods a farmer can use when selecting livestock for breeding. (1 ½ mks)

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10. Mention three signs of heat in a doe. (1 ½ mks)

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11. Mention four reasons that would make a farmer carry out identification to his herd. (2mks)

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12. State two diseases that commonly affect bees in bee farming. (2mks)

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13. State four methods a farmer can use when preserving fish after harvesting. (2mks)

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14. State four factors that determine the choice of poultry rearing system that a farmer chooses to use.

(2mks)

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15. State one significance of mobile calf pen in calf rearing. (1mk)

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16. State two disadvantages of a two stroke engine. (1mk)

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17. State two factors that could cause sudden stopping of a tractor engine. (1mk)

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18. State four disadvantages of animal drawn implements over tractor drawn implements. (2mks)

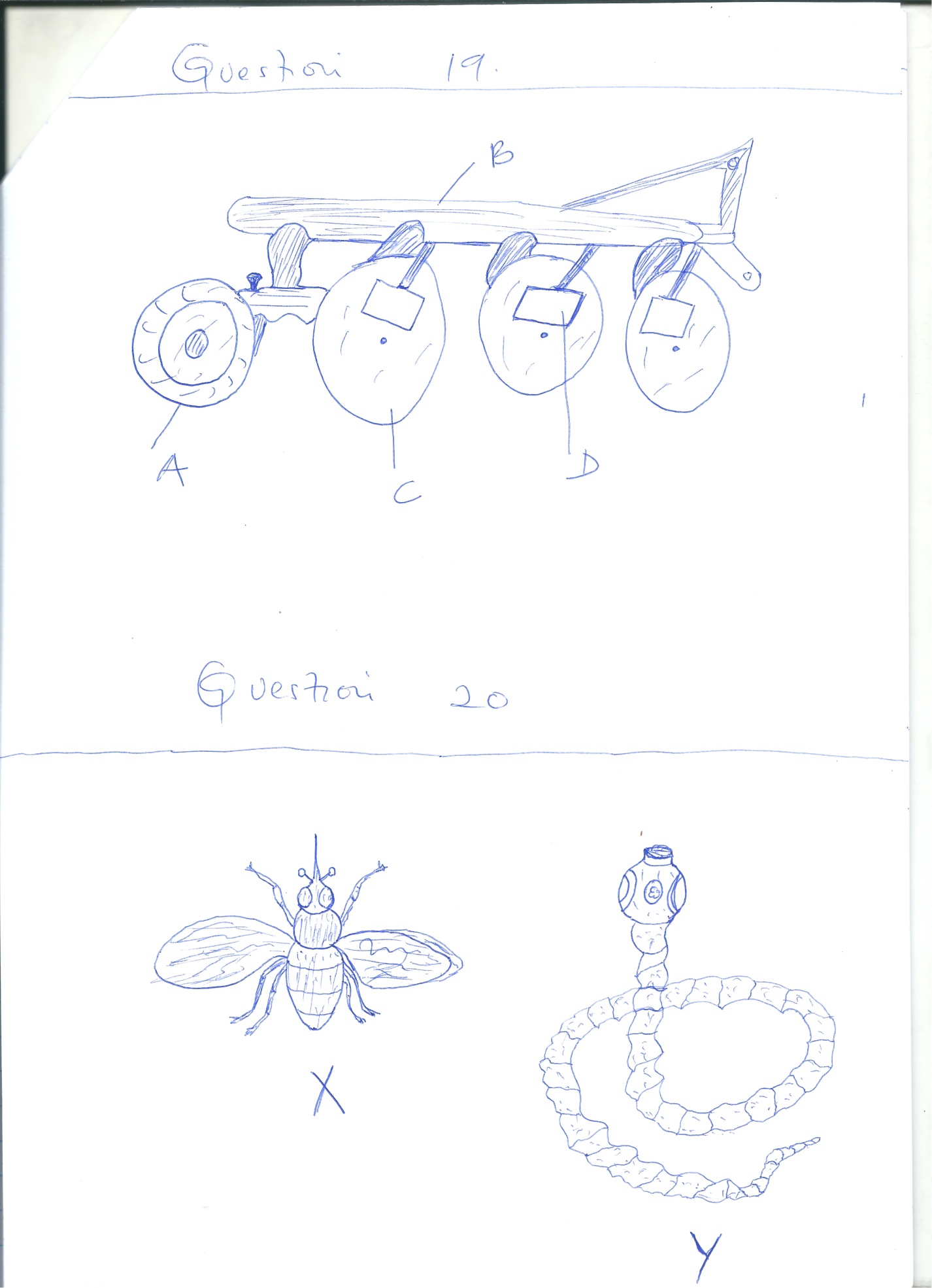
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**SECTION B (20MARKS)**

***Answer all questions in this section.***

19. The diagram below shows a tractor drawn implement. Study it and answer the questions that follow.



a) Name the parts A, B, C and D. (4mks)

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b) State two advantages of using the above implement over mould- board plough. (2mks)

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c) State the function of the parts labeled. (2mks)

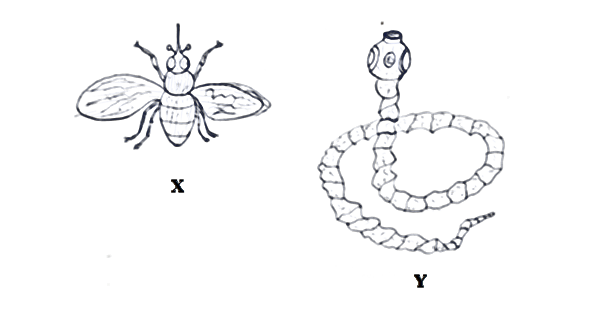
i) A

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ii) D

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20. The diagram below shows livestock parasites. Study the diagrams and answer the questions that follow.



a) Identify the parasites X and Y above. (2mks)

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b) State two effects that are caused by the parasite labeled X on the animal’s body. (2mks)

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c) Name one disease transmitted by parasite labeled X above. (1mk)

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d) State three measures taken to control the parasite labeled Y above. (3mks)

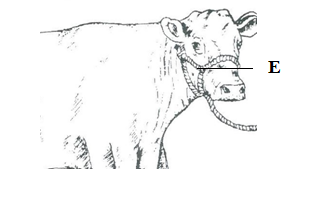
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21. Study the diagram below and answer the questions that follow.



a) Identify the livestock equipment marked E above. (1mk)

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b) State two reasons that make branding be discouraged as a method of livestock identification.

(1mk)

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**SECTION C (40 MARKS)**

***Answer any two questions.***

22. a) State five factors that predispose livestock to diseases. (10mks)

b) State and explain five factors a farmer will consider when siting beehives in the farm. (10mks)

23. a) Briefly state and explain five equipment a farmer will need when milking and state their uses.

(10mks)

b) Explain five factors to consider when selecting a breeding stock. (10mks)

24. a) State and explain four materials collected by bees. (8mks)

b) State and explain the use of four equipments a honey harvester would require to have when

harvesting honey. (8mks)

c) List four main reasons that make fish farming popular. (4mks)

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