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081104T4AEX**Agriculture Extension Level 4 AGR/CU/EXT/CR/06/4/**And Vocational College **Breed Livestock** Date: 30.07.2025 07:55 AM**July/August 2025**

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TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION COUNCIL (TVET CDACC)

CANDIDATE WRITTEN ASSESSMENT TOOL

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2 HOURS

INSTRUCTIONS TO CANDIDATE:

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1. This paper consists of **TWO** sections: **A** and **B** .

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2. Answer **ALL** questions in sections A and B.

3. ~~Ma~~ question are indicated in the ~~back~~ **back**

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4. Do not write on the question paper

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This paper consists FOUR printed pages.

k the question paper to ascertain that

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all pages are printed as indicated and that no questions are missing.

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SECTION A (10 MARKS)

Attempt all questions in this section. Each question carries one mark

1. The defined as?

- A. Seasonal feeding and breeding pattern
- B. Period of reproductive readiness
- C. Time for resting in order to chew cuds
- D. Annual vaccination program in a farm

2. Which of the following animal is commonly bred using insemination?

- A. Mule
- B. Cow
- C. Bees
- D. Bitch

3. The benefit of sterilizing Artificial Insemination tools after use is to_____

- A. Save time after insemination
- B. Increase the lifespan of tools
- C. Prevent disease transmission
- D. Improve breeding efficiency

4. Embryo transfer is a new technology in breeding animals which refers to?

- A. Measure of transmission ability from parents to offspring
- B. Insemination to female reproductive tract by hand using syringe or tubes

C. Technology where ova/eggs are harvested from high quality animals to low females

D. Implantation of an embryo from quality female to low grade female

5. Which one is a sign of heat in sows during estrus period?

- A. Increased in appetite
- B. Darkening of the vulva
- C. Clear mucus discharge
- D. Frequent lying down

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6. Mating of closely related breeds of livestock is called?

A. Line breeding

B. Cross breeding

C. Inbreeding

D. Pure breeding

7. _____ is a group of dairy goats breeds found in Kenya.

A. Jamnapari, German Alpine, Toggenberg.

B. Galla, Guernsey, Boar, Toggenberg.

C. Dromedary, Jamnapari, German Alpine

D. Saanen, Galla, Jersey, German Alpine

8. During handling of dystocia cases, which tools and equipment are required?

A. Overall, Apron, Jembe, ropes, gumboots.

B. Surgical gloves, hammer, Apron, gumboots

C. Ropes, Amlegh gloves, Apron, Gumboots

D. Overall, Halter, plastic Gloves, surgical spirit

9. Which of the following tools is used to restrain an animal during breeding?

A. Automatic Syringe.

B. Rope Halter

C.

D. Thermometer

10. The purpose of using a ram harness in rams during mating is _____

A. Is to prevent

B. Is to identify served ewes

C. Is to control breeding disease

D. in young rams to mate

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SECTION B (40 MARKS)***Attempt ALL questions in this section***

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11. State FOUR benefits of proper feeding and nutrition in livestock breeding. (4 Marks)
12. List FOUR identification tools that are used in livestock breeding. (4 Marks)
13. List FOUR factors considered when selecting a breeding bull. (4 Marks)
14. State FOUR signs of farrowing in sows. (4 Marks)
15. Outline FOUR benefits of wearing personal protective clothing during Artificial Insemination. (4 Marks)
16. State FOUR records kept in a breeding dairy farm. (4 Marks)
17. Outline FOUR advantages of artificial insemination over natural mating. (4 Marks)
18. State FOUR ways in which animal welfare is observed during breeding. (4 Marks)
19. List FOUR indicators of a pregnant sheep. (4 Marks)
20. State FOUR factors to consider when selecting a cow for milk production. (4 Marks)

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