

# LIVESTOCK PRODUCTION II

## (SELECTION AND BREEDING)

1. 1994

(a) How does crossbreeding improve livestock production.

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2. 1994

State six signs that are likely to be observed when a cow is on heat

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3. 1996

State four disadvantages of natural mating as a method of breeding in dairy cattle management.

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4. 1997

Define the term out crossing in animal breeding.

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5. 1997

The diagram below shows the reproductive system of a cow. Study it carefully and answer the questions that follow.



a) i) Name the parts labeled A B and C.

A.....  
B.....  
C.....

ii) State the function of each of the parts labeled A and B

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b) (i) Give two methods of mating in cattle

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(ii) How long is the oestrus cycle in cattle?

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**6. 1998**

Explain the term hybrid vigour as used in livestock production.

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**7. 1999**

Describe the factors a farmer should consider when selecting a young female pig (Gilt) for breeding.

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**8. 2003**

(a) Define the following terms as used in livestock breeding.

(i) Inbreeding

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(ii) Out crossing

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(b) Outline three disadvantages of artificial insemination in cattle management

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(c) State three desirable characteristics to be considered when selecting a heifer for milk production.

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**9. 2006 Q11 P2**

State four factors which should be considered when selecting dairy goats for breeding. (2 marks)

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**10. 2007 Q24b P2**

b) Outline the factors to consider when selection livestock for breeding.

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**11. 2008 Q8 P2**

What is heterosis in livestock breeding? (1 mark)

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**12. 2008 Q16 P2**

Differentiate between mothering ability and prolificacy in livestock breeding. (1 mark)

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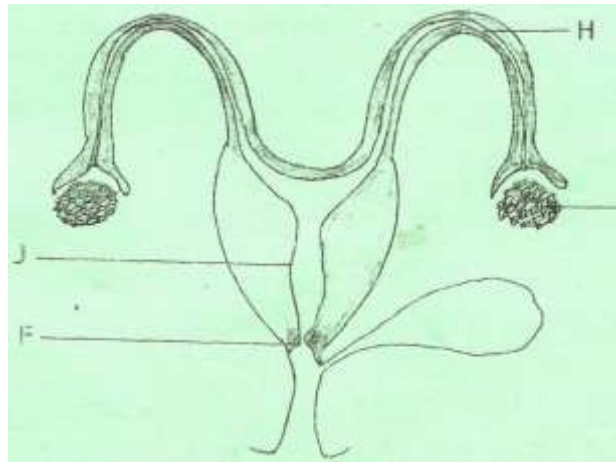
**13. 2009 Q25b P2**

(b) Describe the process of egg formation in the reproductive system of a hen (10 marks)

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14. 2010 Q21 P2

The diagram below shows the reproductive system of a cow. Study it carefully and answer the questions that follow.



- (a) Name the parts labelled F and H  
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- (b) Give **two** functions of the part labelled G (2 marks).  
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- (c) Give the role of the part labelled J. (2 marks)  
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15. 2010 Q26a P2

- (a) Outline **five** advantages of artificial insemination in cattle management. (5 marks)

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**16. 2011 Q2 P2**  
Name three methods that are used in selection of breeding stock in livestock production. (1½ marks)

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**17. 2011 Q11 P2**  
Name two breeding systems that can increase the frequency of high milk production genes in indigenous cattle. (1 mark)

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**18. 2011 Q13 P2**  
Give the meaning of the following terms as used in livestock breeding:  
a) recessive gene; (1 mark)

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b) epistasis. (1 mark)

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**19. 2012 Q11 P2**  
Name two practices that are carried out when preparing ewes for mating (1 mark)

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