

NAME..... INDEX NO.....

Candidates Signature.....

Date.....

GATUNDU SUB COUNTY FORM FOUR 2014 EVALUATION EXAM

443/2

AGRICULTURE

PAPER II

JULY/AUGUST 2014

TIME: 2 HOURS

KENYA CERTIFICATE OF SECONDARY EDUCATION
FORM FOUR EVALUATION EXAMINATION

INSTRUCTIONS TO CANDIDATES

1. The paper consists of 3 sections A, B & C.
2. Answer all the questions in section A & B.
3. Answer any two questions in section C in the spaces provided

FOR EXAMINER'S USE ONLY

SECTION	QUESTIONS	MAXIMUM SCORE	CANDIDATES SCORE
A		30	
B		20	
C		20	
		20	
TOTAL SCORE		90	

SECTION A (30 Marks)

Answer all questions in this section in the spaces provided.

1. Name a livestock breed with a pendulous udder. (1 mark)

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2. List down two plumbing tools. (1 mark)

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3. Give four uses of lubrication system in a tractor. (2 marks)

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4. Outline four maintenance practices carried out on the water cooling system of a tractor. (2 marks)

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5. Name four operational advantages of disc plough over mould board plough. (2 marks)

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6. Name four parts of a fish pond and state function of each. (2 marks)

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7. Give four methods of controlling tse tse flies. (2 marks)

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8. List two predisposing factors of foot rot in sheep. (1 mark)

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9. Outline factors used by a farmer when selecting a dairy cow. (2 marks)

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10. Give four features of a camel that enable it survive in dry areas. (2 marks)

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11. State two uses of crop in poultry digestive system. (1 mark)

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12. Outline four methods of dehorning in cattle. (2 marks)

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13. Define the term cropping as used in fish management. (1 mark)

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14. List six causes of stress in a flock of layers. (3 marks)

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15. Name four roles of worker bees in a hive. (2 marks)

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16. Outline four structural features of a calf pen. (2 marks)

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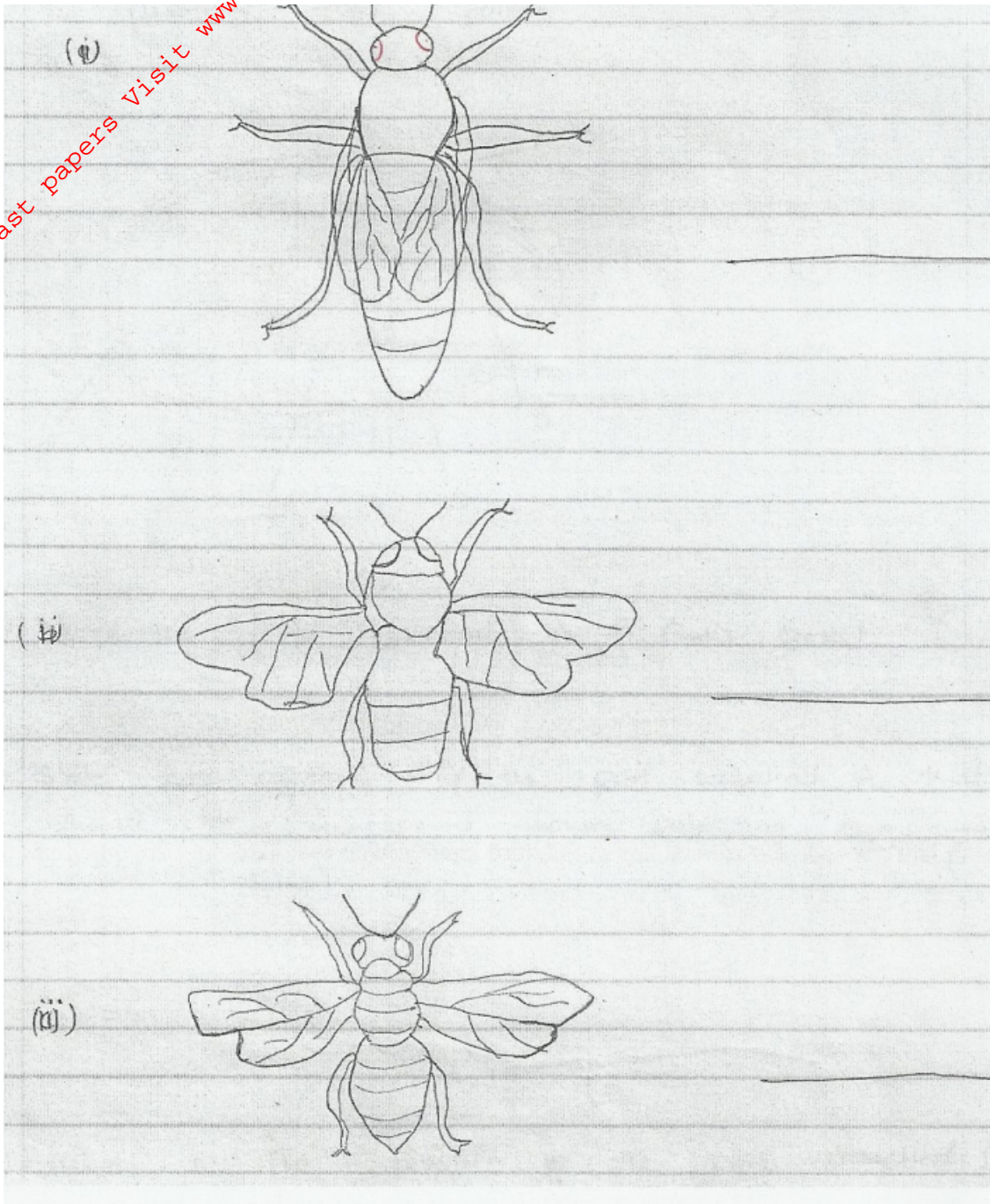
17. Name four routes through which pathogens can enter into an animal body. (2 marks)

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SECTION B (20 Marks)

Answer all questions in the spaces provided.

18. a) Identify the following types of bees. (3 marks)

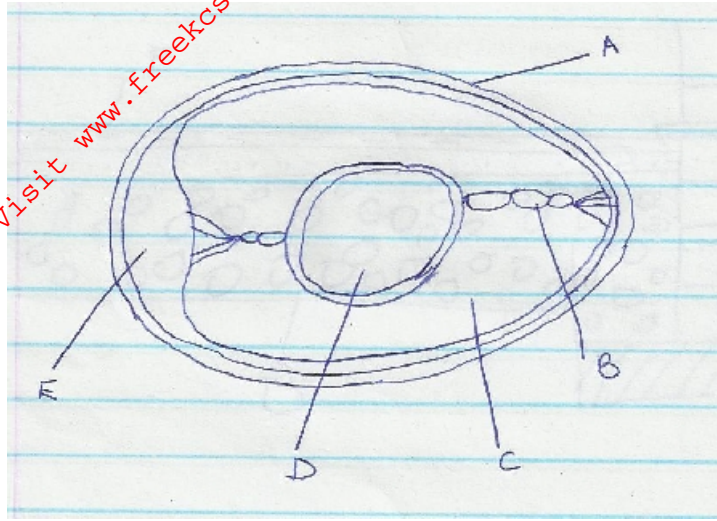


b) Name two common diseases of bees. (2 marks)

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19. The diagram below represents an egg. Study it and answer the questions that follow.



a) Name the part labeled A, B, C and D. (2 marks)

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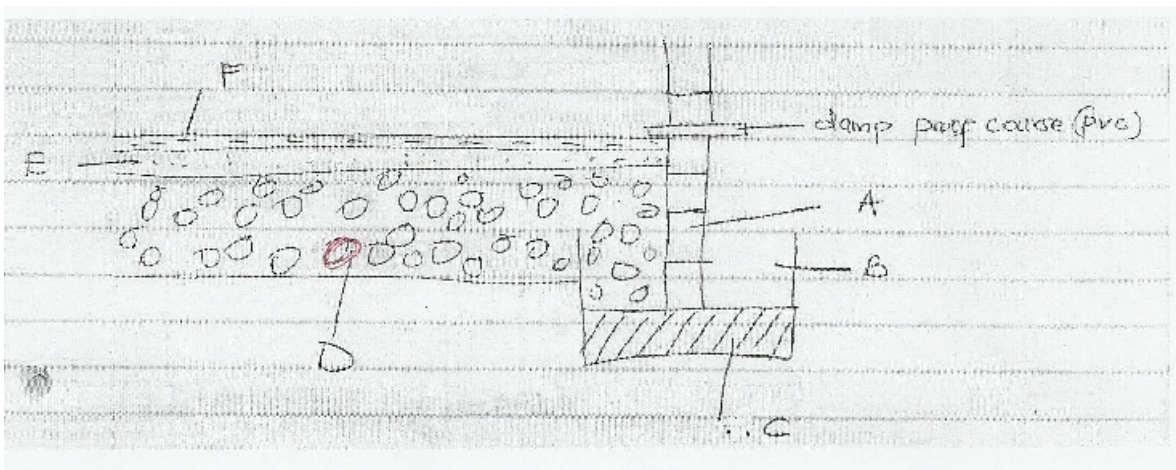
b) State two qualities of the part labeled A that should be considered when selecting eggs for incubation. (2 marks)

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c) What is the function of the part labeled D in a fertilized egg? (1 mark)

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20. Study the diagram below of a permanent foundation and answer the question that follow.



a) Name the following parts labeled A, B, C, D, E, and F. (3 marks)

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b) What is the mixing ratio used to make part F? (1 mark)

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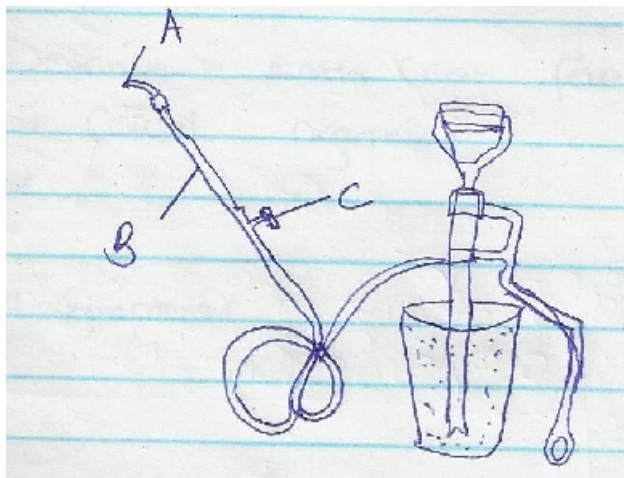
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c) State two uses of the damp proof course (PVC) (2 marks)

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21. Below is a diagram of a farm equipment. Use it to answer the questions that follow.



a) Identify the equipment (½ mark)

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b) State the use of the equipment. (1 mark)

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c) Name the parts labeled A, B and C (1 ½ marks)

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d) Identify one drawback in using the above equipment as compared to others used for the same purpose. (1 mark)

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SECTION C(40 Marks)

Answer any two questions from this section in the spaces provided.

22. (i) Describe East Coast Fever under the following: _

a) Causal organism (1 mark)

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b) Symptoms (5 marks)

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c) Animals attacked (1 mark)

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d) Control (3 marks)

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(ii) Describe the life cycle of a three-host tick. (10 marks)

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23. a) Outline the procedure followed when hand spraying cattle to ensure effective use of acaricides to control ticks. (10 marks)

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b) Describe the digestion of grass in the rumen of a ruminant animal. (10 marks)

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24. a) (i) Describe five maintenance practices that should be carried out on an ox-drawn mould board plough. (5 marks)

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(ii) Give five advantages of using a sub soiter in seedbed preparation. (5 marks)

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b) Explain the uses of various hand tools in the construction a Kenya Top Bar Hive. (10 marks)

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