



**PROGRAMME** : NATIONAL DIPLOMA: ENVIRONMENTAL HEALTH

**MODULE** : FOOD AND MEAT HYGIENE 111

**CODE** : FMH 32-1

**DATE** : 01 NOVEMBER, 2014

**DURATION** : 180 MINUTES

**WEIGHT** : 50:50

**TOTAL MARKS** : 150

**EXAMINER** : MS MPINANE FLORY SENEKANE

**MODERATOR** : MR ERNEST MATSHEDISO MODUNGWA

**NUMBER OF PAGES** : 3 (THREE) PAGES

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**INSTRUCTIONS:**

- 1. READ ALL QUESTIONS CAREFULLY BEFORE YOU ANSWER.**
- 2. PLEASE ANSWER ALL QUESTIONS**
- 3. PLEASE WRITE LEGIBLY**
- 4. LEAVE SPACES BETWEEN QUESTIONS**
- 5. STUDENTS MAY NOT DISCUSS ANSWERS TO QUESTIONS AMONGST EACH OTHER**
- 6. DO NOT SPLIT THE ANSWERS TO QUESTIONS. IF SO, ONLY THE FIRST SECTION OF ANSWERS WILL BE MARKED.**
- 7. USE BLUE OR BLACK INK PEN ONLY TO ANSWER THE QUESTIONS.**
- 8. KEEP SILENCE UNTIL THE END OF THE EXAMINATION. A STUDENT WHO BREAKS THIS INSTRUCTION WILL BE DISQUALIFIED.**

## **QUESTION 1**

It is the role of the milk processor to ensure high quality and safe milk and dairy products. The processor should then adhere to certain practices in order to achieve this. Name and discuss six practices that are part and parcel of his/her role. [20]

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## **QUESTION 2**

**2.1** Discuss Tuberculosis in red meat animals. (20)

**2.2** Write short notes on hepatitis. Your answer should reflect the following: Definition; Causative agent; the most common hepatitis viruses and Judgement. (13)

**2.3** What do you understand by anaemia? (2)

[35]

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## **QUESTION 3**

**3.1** Mastitis is a major cause of elevated cell count in milk and therefore mastitis control measures should be implemented. As Environmental Health Practitioner, discuss the information that will assist you in order to determine that the somatic cell count is higher than desired. (15)

**3.2** Briefly discuss five (5) possible causes of antibiotic contamination in red meat animal milk. (10)

[25]

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## **QUESTION 4**

Provide a comprehensive information on the current status of food control in South Africa. [20]

### **QUESTION 5**

Write short notes on section 57 of Meat Safety Act (Act no. 40 of 2000). **[10]**

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### **QUESTION 6**

**6.1** What is the judgment of a carcass with cancer? **(4)**

**6.2** As an environmental health practitioner based in Hillbrow Johannesburg, what message are you going to convey to school children of under 15 years who have never heard about organic foods in their life? Explain to them and focus on the most important points that will enable school children to understand both livestock and crops organic foods. **(16)**

**[20]**

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### **QUESTION 7**

**7.1** List and explain the challenges that face implementation of hazard analysis critical control points and the solutions thereof in South Africa. **(16)**

**7.2** List four possible reasons for low pH in milk. **(4)**

**[20]**

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**TOTAL= 150 MARKS**

**GOOD LUCK!!!**

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