

# LIMPOPO MATHS AND SCIENCE ACADEMY

# LIMSA

**GRADE 12**

**AGRICULTURAL SCIENCES**

**23-27 MARCH 2020**

## ANIMAL DISEASE AND HEALTH

MR MUSEMBURI HAS A FARM AND HE HEARD ABOUT THE OUTBREAK OF ANIMAL DISEASE THAT AFFECT FARM ANIMALS ONLY.THEN HE DECIDED TO PUT MEASURES THAT MIGHT HELP HIM TO AVOID THE SPREAD OF ANIMAL DISEASES.THERE ARE SOME PRINCIPLES THAT MR MUSEMBURI NEED TO FOLLOW TO MAINTAIN GOOD HEALTHY ANIMALS .

- 1.1.1 Give advice to Mr Musemburi on how to prevent the spread of animal diseases. [5]
- 1.1.2 Mention five (5) principles that mr Musemburi can follow to maintain the health of farm [5] animals.
- 1.1.3 State the differences between Health and unhealth animal[10]
- 1.1.4MR MUSEMBURI HAS SICK ANIMAL AND HE WANTS TO APPLY VACCINE TO HIS ANIMALS TO PREVENT FURTHER LOSS OF LIVESTOCK.BUT MR MUSEMBURI DOESN'T KNOW HOW TO USE VACCINES TO VARIOUS ANIMALS.VACCINES PLAY A MAJOR ROLE ON THE HEALTH OF FARM ANIMALS.
- 1.1.4.1Differentiate between vaccination and vaccine[2]
- 1.1.4.2Advice Mr musemburi on how to apply vaccine to chickens,calves and cows.[6]
- 1.1.4.3State FIVE functions of vaccines to farm animals.[5]
- 1.1.4.4Name 4 METHODS of using the injections.[4].
- 1.1.4.5 NAME FIVE ways of applying medication to farm animals.[5]
- 1.1.4.6Differentiate between infectious and non infectious diseases.[4]
- 1.1.4.7State three ways in which the infectious disease can be transmitted to other animals.[6].
- 1.1.4.8STATE FOUR non infectious diseases that can affect farm animals.[8].
- 1.1.4.9mr MUSEMBURI HAS Affected animal and the affected area is reticulum but as you the medicine can only reach to rumen
- 1.5.give advise to mr Musemburi on how the medicine applied can reach reticulum.[4].

## ANIMAL DISEASE AND HEALTH

MR MOTLANA HEARD ABOUT THE PANDEMIC CALLED CORONA VIRUS.IT MIGHT HAVE THE NEGATIVE IMPACT TO HIS FARM.

1.5.1ADVISE MR Motlana on how he can identify animals that are affected by corona virus.[6]

1.5.2.GIVE MR MOTLANA advice on how he can prevent the spread of corona virus on the farm.[6].

1.5.3Discuss the economic implications of corona virus to the farmer.[8].

1.5.4.discuss the impact of corona virus to agriculture as a major contributor to GDP.[15].

1.5.5IS there any treatment for this pandemic?[1]

1.5.6Discuss any FIVE viral diseases that affect the farm animals of mr Motlana according to their CARRIERS,SYMPTOMS AND PREVENTION OR TREATMENT[12].

1.5.7DICUSS TWO bacterial diseases that affect farm animals of mr Motlana according to their CARRIER OR TRANSMISSION ,SYMPTOMS AND PREVENTION OR TREATMEMENT.[6].

1.5.8Discuss TWO fungal diseases that affect farm animals of mr Motlana according to their CARRIER OR TRANSMISSION,SYMPTOMS AND PREVENTION OR TREATMENT.[6].

1.5.9GIVE mr Motlana advice on how to determine the following aspects

1.5.9.1temperature.[3]

1.5.9.2.respiratory rate.[3]

1.5.9.3.pulse rate.[3].