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# TCSiON CAE

## Notations :

- Options shown in green color and with ✓ icon are correct.
- Options shown in red color and with ✗ icon are incorrect.

<b>Question Paper Name :</b>	PC22233 Concerned Subject VETERINARY ASSISTANT SURGEON CLASS B VAS2223
<b>Subject Name :</b>	PC22233 Concerned Subject VETERINARY ASSISTANT SURGEON CLASS B VAS2223
<b>Actual Answer Key :</b>	Yes
<b>Calculator :</b>	None
<b>Magnifying Glass Required? :</b>	No
<b>Ruler Required? :</b>	No
<b>Eraser Required? :</b>	No
<b>Scratch Pad Required? :</b>	No
<b>Rough Sketch/Notepad Required? :</b>	No
<b>Protractor Required? :</b>	No
<b>Show Watermark on Console? :</b>	Yes
<b>Highlighter :</b>	No
<b>Auto Save on Console?</b>	Yes
<b>Change Font Color :</b>	No
<b>Change Background Color :</b>	No
<b>Change Theme :</b>	No
<b>Help Button :</b>	No
<b>Show Reports :</b>	No
<b>Show Progress Bar :</b>	No
<b>Is this Group for Examiner? :</b>	No
<b>Examiner permission :</b>	Cant View
<b>Show Progress Bar? :</b>	No

## Concerned Subject VETERINARY ASSISTANT SURGEON CLASS B

<b>Section type :</b>	Online
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Maximum Instruction Time :</b>	0
<b>Is Section Default? :</b>	null

**Question Number : 1 Question Id : 630680273708 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which muscle is responsible for extension of the forearm in canines?

### Options :

- ✗ Biceps brachii
- ✓ Triceps brachii
- ✗ Rectus femoris
- ✗ Gastrocnemius

**Question Number : 2 Question Id : 630680273709 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

The branch of biology that deals with the study of the microscopic structure of tissues and organs in plants, animals, and humans, including the arrangement and organization of cells, cellular components, and extracellular matrices.

### Options :

- ✓ Histology

2. ✘ Embryology
3. ✘ Comparative anatomy
4. ✘ Microanatomy

**Question Number : 3 Question Id : 630680273710 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which organ is responsible for the production of bile, aiding in the digestion of fats?

**Options :**

1. ✘ Stomach
2. ✘ Pancreas
3. ✔ Liver
4. ✘ Gallbladder

**Question Number : 4 Question Id : 630680273711 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following statements regarding the mechanism of respiration in animals are true?

- Statement 1: During inspiration, the diaphragm contracts and flattens, increasing the volume of the thoracic cavity.  
 Statement 2: Expiration is a passive process that occurs due to the relaxation of the intercostal muscles and diaphragm.  
 Statement 3: The main respiratory muscles involved in inspiration are the external intercostal muscles.  
 Statement 4: The exchange of oxygen and carbon dioxide occurs primarily in the alveoli of the lungs

**Options :**

1. ✘ Statements 1 and 4 are true.
2. ✘ Statements 2 and 3 are true.
3. ✔ Statements 1, 3, and 4 are true.
4. ✘ Statements 2 and 4 are true.

**Question Number : 5 Question Id : 630680273712 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following statements are true?

- Statement A: Red blood cells (erythrocytes) are responsible for transporting oxygen from the lungs to the body tissues.  
 Statement B: Platelets play a crucial role in blood clotting by forming a mesh-like structure called a fibrin clot.

**Options :**

1. ✔ Both statements A and B are true.
2. ✘ Statement A is true, but statement B is false.
3. ✘ Statement A is false, but statement B is true.
4. ✘ Both statements A and B are false

**Question Number : 6 Question Id : 630680273713 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Match the hormone with its correct role in the hormonal control of Lactogenesis:

Hormone:	Role:
a) Prolactin	1) Stimulates milk production in the mammary glands.
b) Oxytocin	2) Initiates milk let-down and contraction of the mammary gland smooth muscles.
c) Estrogen	3) Prepares the mammary glands for milk production.
d) Progesterone	4) Inhibits milk production during pregnancy

**Options :**

1. ✘ a-3, b-2, c-1, d-4
2. ✔ a-1, b-2, c-3, d-4
3. ✘ a-2, b-1, c-4, d-3
4. ✘ a-3, b-4, c-1, d-2

**Question Number : 7 Question Id : 630680273714 Is Question Mandatory : No Calculator : None Response Time : N.A  
Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following environmental factors can significantly impact animal production?

A. temperature B. humidity C. photo period

**Options :**

1. ✘ Only A and B
2. ✘ Only B and C
3. ✘ Only A and C
4. ✔ All A, B and C

**Question Number : 8 Question Id : 630680273715 Is Question Mandatory : No Calculator : None Response Time : N.A  
Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Arrange the following stages of the stress response in animals in chronological order:

a) Alarm stage b) Resistance stage c) Exhaustion stage

**Options :**

1. ✘ b-c-a
2. ✘ c-a-b
3. ✔ a-b-c
4. ✘ a-c-b

**Question Number : 9 Question Id : 630680273716 Is Question Mandatory : No Calculator : None Response Time : N.A  
Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Among the following greenhouse gases emitted by ruminants which greenhouse gas is more potent and have potential to contribute in global warming:

**Options :**

1. ✘ Carbon dioxide (CO<sub>2</sub>)
2. ✔ Methane (CH<sub>4</sub>)
3. ✘ Nitrous oxide (N<sub>2</sub>O)
4. ✘ None of Above

**Question Number : 10 Question Id : 630680273717 Is Question Mandatory : No Calculator : None Response Time : N.A  
Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

All of the following are major volatile acids produced in the Rumen, except \_\_\_\_\_.

**Options :**

1. ✘ Acetic acid
2. ✘ Butyric acid
3. ✔ Carbonic acid
4. ✘ Propionic acid

**Question Number : 11 Question Id : 630680273718 Is Question Mandatory : No Calculator : None Response Time : N.A  
Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Arrange the following livestock species in increasing order based on their global population as of the year 2021:

a) Cattle  
b) Poultry  
c) Sheep  
d) Goats

**Options :**

1. ✔ d, c, a, b
2. ✘ c, a, b, d
3. ✘ d, b, c, a
4. ✘ a, b, c, d

**Question Number : 12 Question Id : 630680273719 Is Question Mandatory : No Calculator : None Response Time : N.A**

**Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following aspects are included in the management of different age groups of animals, including zoo/wild and lab animals?

A. Handling B. Housing C. Restraining

**Options :**

1. ✘ Only A and B
2. ✘ Only B and C
3. ✘ Only A and C
4. ✔ All A, B and C

**Question Number : 13 Question Id : 630680273720 Is Question Mandatory : No Calculator : None Response Time : N.A**

**Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following factors are typically considered when developing an economic project proposal for the housing and maintenance of livestock, poultry, and lab animals?

A. Initial investment cost  
B. Animal welfare and ethical considerations  
C. Infrastructure and facility requirements

**Options :**

1. ✘ Only A and B
2. ✘ Only B and C
3. ✘ Only A and C
4. ✔ All A, B and C

**Question Number : 14 Question Id : 630680273721 Is Question Mandatory : No Calculator : None Response Time : N.A**

**Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Match the following routine farm practices with their corresponding livestock:

A) Dehorning	1. Dog
B) Castration	2. Pigs
C) Vaccination	3. Sheep
D) Drenching	4. Poultry

**Options :**

1. ✘ A-1, B-2, C-3, D-4
2. ✘ A-3, B-2, C-1, D-4
3. ✔ A-3, B-1, C-4, D-2
4. ✘ A-1, B-4, C-3, D-2

**Question Number : 15 Question Id : 630680273722 Is Question Mandatory : No Calculator : None Response Time : N.A**

**Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which statements correctly describe the "Quality maintenance of livestock by-products; Fodder production and management; Maintenance of labour, accounts, and farm records" in Livestock Management, Livestock Breeding and Genetics, and Livestock Products Technology?

Statement 1: Quality maintenance of livestock by-products ensures the utilization of by-products for various purposes.

Statement 2: Fodder production and management involves the cultivation and management of nutritious feed for livestock.

**Options :**

1. ✘ Only statement 1 correct.
2. ✘ Only statement 2 correct.
3. ✘ Both statements are incorrect.
4. ✔ Both statements are correct.

**Question Number : 16 Question Id : 630680273723 Is Question Mandatory : No Calculator : None Response Time : N.A**

**Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which breed of poultry is known for its excellent meat quality, rapid growth, and is commonly used for commercial meat production?

**Options :**

1. ✘ Rhode Island Red
2. ✘ Leghorn
3. ✔ Cornish Cross
4. ✘ Wyandotte

**Question Number : 17 Question Id : 630680273724 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following statements accurately describe the breeding of important species of zoo/wild animals in the field of livestock management?

Statement 1: Breeding programs for zoo/wild animals aim to maintain genetic diversity and prevent inbreeding.

Statement 2: Captive breeding plays a crucial role in the conservation and preservation of endangered species.

Statement 3: Reproductive techniques such as artificial insemination and embryo transfer are commonly used in the breeding of zoo/wild animals.

**Options :**

1. ✔ Statements 1 and 2 are correct.
2. ✘ All statements 1, 2 and 3 are correct.
3. ✘ Statements 1 and 3 are correct.
4. ✘ Statements 2 and 3 are correct.

**Question Number : 18 Question Id : 630680273725 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which factor is primarily considered when breeding livestock for high performance?

**Options :**

1. ✘ body weight
2. ✘ coat colour and physical appearance
3. ✔ genetic traits
4. ✘ environmental conditions

**Question Number : 19 Question Id : 630680273726 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following is a fundamental principle of genetics in livestock breeding?

**Options :**

1. ✘ Blending inheritance
2. ✔ Mendelian inheritance
3. ✘ Inheritance of acquired traits
4. ✘ Continuous variation

**Question Number : 20 Question Id : 630680273727 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Match the following correctly with regard to the nature of DNA and RNA and their models and functions:

**Options :**

1. ✘ 1-DNA double helix structure, 2-RNA single-stranded structure, 3-DNA replication, 4-RNA transcription, 5-RNA stores genetic information, 6-DNA carries genetic information
2. ✔ 1-DNA double helix structure, 2-RNA single-stranded structure, 3-DNA replication, 4-RNA transcription, 5-DNA stores genetic information, 6-RNA carries genetic information
3. ✘ 1-RNA double helix structure, 2-DNA single-stranded structure, 3-DNA replication, 4-RNA transcription, 5-DNA stores genetic information, 6-RNA carries genetic information
4. ✘ 1-DNA double helix structure, 2-RNA single-stranded structure, 3-RNA replication, 4-DNA transcription, 5-DNA stores genetic information, 6-RNA carries genetic information

**Question Number : 21 Question Id : 630680273728 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following is an application of recombinant DNA technology in livestock management?

**Options :**

1. ✘ Determining the gender of offspring
2. ✔ Enhancing milk production through genetic modification
3. ✘ Controlling reproductive behaviour in animals
4. ✘ Improving meat tenderness through selective breeding

**Question Number : 22 Question Id : 630680273729 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Among the following, select the correct sentence which denote factors affecting crossing over?

**Options :**

1. ✘ High temperature and exposure to radiation rays such as x-rays decreases the frequency of crossing over.
2. ✔ Inversion of chromosome segments suppresses the crossing over
3. ✘ Crossing over is more frequent near centromeres and the tips of the chromosomes.
4. ✘ As the age advances the frequency of crossing over increases

**Question Number : 23 Question Id : 630680273730 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which stage of livestock processing involves the removal of internal organs and preparation of carcasses for further processing?

**Options :**

1. ✘ Slaughtering
2. ✔ Dressing
3. ✘ Abattoir practices
4. ✘ Utilization of by-products

**Question Number : 24 Question Id : 630680273731 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Arrange the steps of meat inspection process in chronological order.

- A. Overseeing humane treatment of animals during herding and slaughter
- B. Stamping carcass post inspection
- C. Isolating animals that show signs of disease, illness, or injury
- D. Observing the animals' behaviour that may indicate any signs of disease

**Options :**

1. ✘ CABD
2. ✔ DCAB
3. ✘ ABDC
4. ✘ BDCA

**Question Number : 25 Question Id : 630680273732 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following options correctly represents the relationship between the given statements?

Statement 1: Quality control measures ensure the safety and purity of livestock products and by-products.

Statement 2: Adulterants in livestock products and by-products can pose health risks to consumers.

**Options :**

1. ✘ Statement 1 is true, and Statement 2 is false.
2. ✘ Statement 1 is false, and Statement 2 is true.
3. ✔ Both Statement 1 and Statement 2 are true.
4. ✘ Both Statement 1 and Statement 2 are false.

**Question Number : 26 Question Id : 630680273733 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

What is the role of nutrition in livestock health and production?

**Options :**

1. ✘ Nutrition has no impact on livestock health and production

2. ✘ Nutrition plays a minor role in livestock health and production
3. ✔ Nutrition is essential for maintaining livestock health and optimizing production.
4. ✘ Nutrition is only important for certain types of livestock

**Question Number : 27 Question Id : 630680273734 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following statements accurately describe the classification and composition of feeds and fodders, including forest grasses?

Statement 1: Feeds and fodders can be classified as roughages, concentrates, and supplements based on their nutrient content and digestibility.

Statement 2: Forest grasses are a type of roughage feed that is commonly used in livestock nutrition.

Statement 3: Feeds and fodders are composed of carbohydrates, proteins, fats, vitamins, minerals, and water, providing essential nutrients for livestock.

**Options :**

1. ✘ Statements 1 and 2 are true.
2. ✘ Statements 1 and 3 are true.
3. ✘ Statements 2 and 3 are true.
4. ✔ All statements 1, 2 and 3 are true.

**Question Number : 28 Question Id : 630680273735 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following statements accurately describes anti-nutritional factors and toxins in feeds and fodders?

**Options :**

1. ✘ Anti-nutritional factors and toxins have no impact on livestock health.
2. ✘ Anti-nutritional factors and toxins are present only in concentrates, not roughages.
3. ✔ Anti-nutritional factors and toxins can affect the nutrient utilization and health of livestock
4. ✘ Anti-nutritional factors and toxins are only found in synthetic feed additives.

**Question Number : 29 Question Id : 630680273736 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following statements accurately describes feeding standards and nutrient requirements of different categories of livestock and the computation of rations?

Statement 1: Feeding standards are guidelines that define the nutrient requirements of different categories of livestock based on their physiological stage, growth rate, and production purpose.

Statement 2: composition of rations involves determining the quantity and combination of feed ingredients to meet the nutrient requirements of livestock.

**Options :**

1. ✘ Statement 1 is true, and Statement 2 is false.
2. ✘ Statement 1 is false, and Statement 2 is true.
3. ✔ Both Statement 1 and Statement 2 are true.
4. ✘ Both Statement 1 and Statement 2 are false.

**Question Number : 30 Question Id : 630680273737 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Match the following nutritional deficiencies with their effect on livestock performance:

Nutritional Deficiency:	Effect on Livestock Performance:
1. Vitamin A deficiency	A. Reduced bone strength and development
2. Iron deficiency	B. Impaired immune function
3. Calcium deficiency	C. Poor growth and weight loss
4. Protein deficiency	D. Reduced fertility and reproductive problems

**Options :**

1. ✘ 1-A, 2-C, 3-D, 4-B
2. ✘ 1-D, 2-A, 3-C, 4-B
3. ✔ 1-C, 2-D, 3-A, 4-B
4. ✘ 1-B, 2-C, 3-D, 4-A

**Question Number : 31 Question Id : 630680273738 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Match the following feed supplements and additives with their respective functions in livestock nutrition:

Feed Supplements and Additives:	Functions:
1. Probiotics	A. Improves digestion and nutrient absorption
2. Enzymes	B. Enhances growth and feed efficiency
3. Trace minerals	C. Provides essential micronutrients
4. Acidifiers	D. Maintains a favourable gut environment

**Options :**

1. ✔ 1-D, 2-A, 3-C, 4-B
2. ✘ 1-D, 2-B, 3-C, 4-A
3. ✘ 1-A, 2-B, 3-C, 4-D
4. ✘ 1-A, 2-D, 3-B, 4-C

**Question Number : 32 Question Id : 630680273739 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following methods is commonly used for the conservation and preservation of feeds and fodders in livestock nutrition?

**Options :**

1. ✘ Drying and dehydration
2. ✔ Fermentation and ensiling
3. ✘ Grinding and pelleting
4. ✘ Ionizing radiation treatment

**Question Number : 33 Question Id : 630680273740 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Arrange the following steps in the chronological order of the economic utilization of agro by-products for feeding livestock:

- a) Identification and evaluation of agro by-products
- b) Processing and treatment of agro by-products
- c) Formulation of balanced rations
- d) Feeding and monitoring livestock performance

**Options :**

1. ✔ a, b, c, d
2. ✘ b, a, c, d
3. ✘ a, c, b, d
4. ✘ b, c, a, d

**Question Number : 34 Question Id : 630680273741 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following is an example of an unconventional feed used in livestock nutrition?

**Options :**

1. ✘ Corn silage
2. ✘ Soybean meal
3. ✘ Alfalfa hay
4. ✔ Palm kernel cake



**Question Number : 35 Question Id : 630680273742 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following is an important consideration in wildlife nutrition?

**Options :**

1. ✘ Feeding high-energy diets
2. ✔ Replicating natural diets
3. ✘ Providing unlimited food availability
4. ✘ Offering a single type of food

**Question Number : 36 Question Id : 630680273743 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following pathogens is responsible for causing Lyme disease?

**Options :**

1. ✘ Escherichia coli
2. ✔ Borrelia burgdorferi
3. ✘ Staphylococcus aureus
4. ✘ Salmonella enterica

**Question Number : 37 Question Id : 630680273744 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following statements regarding bacterial, viral, fungal, Chlamydial, and Rickettsial diseases is correct?

Statement 1: Bacterial diseases are primarily caused by unicellular organisms, while viral diseases are caused by multicellular organisms.

Statement 2: Fungal diseases are generally characterized by skin lesions and respiratory symptoms.

Statement 3: Chlamydial diseases can be transmitted through direct contact with infected animals or their secretions.

Statement 4: Rickettsial diseases are exclusively transmitted through tick bites.

**Options :**

1. ✘ Statements 1 and 2 are correct.
2. ✔ Statements 2 and 3 are correct.
3. ✘ Statements 3 and 4 are correct.
4. ✘ Statements 1 and 4 are correct.

**Question Number : 38 Question Id : 630680273745 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following statements are true?

Statement 1: The thymus gland is responsible for the production and maturation of T lymphocytes.

Statement 2: The bone marrow is the primary site for the production of B lymphocytes.

**Options :**

1. ✘ Statement 1 is true, Statement 2 is false.
2. ✔ Statement 1 is false, Statement 2 is true.
3. ✘ Both Statement 1 and Statement 2 are true.
4. ✘ Both Statement 1 and Statement 2 are false.

**Question Number : 39 Question Id : 630680273746 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following statements are true?

Statement 1: Passive immunity is acquired through the transfer of pre-formed antibodies from an external source.

Statement 2: Live attenuated vaccines contain weakened or inactivated forms of the pathogen.

**Options :**

1. ✘ Statement 1 is true, Statement 2 is false.
2. ✘ Statement 1 is false, Statement 2 is true.
3. ✔ Both Statement 1 and Statement 2 are true.
4. ✘ Both Statement 1 and Statement 2 are false.

**Question Number : 40 Question Id : 630680273747 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Bacterial plasmids are:

**Options :**

1. ✘ Circular DNA molecules found only in eukaryotic cells.
2. ✘ Linear DNA molecules found only in prokaryotic cells.
3. ✔ Circular DNA molecules found only in prokaryotic cells.
4. ✘ Linear DNA molecules found in both prokaryotic and eukaryotic cells.

**Question Number : 41 Question Id : 630680273748 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following statements accurately describes the difference between exotoxins and endotoxins produced by bacterial pathogens?

**Options :**

1. ✘ Lipopolysaccharides released by bacteria, while endotoxins are proteins secreted by bacteria.
2. ✘ Exotoxins are heat-stable toxins produced by Gram-negative bacteria, while endotoxins are heat-labile toxins produced by Gram-positive bacteria.
3. ✔ Exotoxins are proteins released by living bacteria, while endotoxins are lipopolysaccharides present in the outer membrane of Gram-negative bacteria.
4. ✘ Exotoxins are immune system modulators produced by bacteria, while endotoxins are enzymes that degrade host tissues secreted by bacteria

**Question Number : 42 Question Id : 630680273749 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

What are bacteriophages?

**Options :**

1. ✘ Bacteria that cause diseases
2. ✔ Viruses that infect bacteria
3. ✘ Fungal pathogens of plants
4. ✘ Parasitic worms found in animals

**Question Number : 43 Question Id : 630680273750 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following statements is true regarding the replication of DNA and RNA viruses?

Statement 1: DNA viruses replicate their genome in the nucleus of the host cell.

Statement 2: RNA viruses replicate their genome in the cytoplasm of the host cell.

**Options :**

1. ✘ Only statement 1 is true.
2. ✘ Only statement 2 is true.
3. ✔ Both statement 1 and statement 2 are true.
4. ✘ Neither statement 1 nor statement 2 is true.

**Question Number : 44 Question Id : 630680273751 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following represents the correct order of increasing affinity between antigen and antibody in antigen-antibody interactions?

**Options :**

1. ✘ Covalent bonds, non-covalent bonds, electrostatic interactions
2. ✔ Electrostatic interactions, non-covalent bonds, covalent bonds
3. ✘ Covalent bonds, electrostatic interactions, non-covalent bonds
4. ✘ Electrostatic interactions, covalent bonds, non-covalent bonds

**Question Number : 45 Question Id : 630680273752 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Arrange the following stages of fungal growth and reproduction in veterinary mycology in chronological order:

1. Germination of spores
2. Formation of hyphae
3. Fusion of hyphae
4. Dispersal of spores

**Options :**

1. ✘ 1, 2, 4, 3
2. ✔ 1, 2, 3, 4
3. ✘ 2, 4, 1, 3
4. ✘ 2, 1, 4, 3

**Question Number : 46 Question Id : 630680273753 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following statement best describes the concept of disease in animals?

**Options :**

1. ✘ Diseases are caused only by external factors such as pathogens.
2. ✘ Diseases are genetic disorders that are inherited from parents.
3. ✔ Diseases are abnormal conditions that disrupt the normal functioning of an animal's body.
4. ✘ Diseases are psychological conditions that affect an animal's mental health

**Question Number : 47 Question Id : 630680273754 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following pathological mechanisms is responsible for the development of osteochondrosis in growing animals?

**Options :**

1. ✘ Autoimmune response
2. ✘ Genetic mutation
3. ✘ Endocrine disruption
4. ✔ Ischemic injury

**Question Number : 48 Question Id : 630680273755 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

During a necropsy examination, which of the following techniques is commonly used to obtain representative tissue samples for histopathological analysis, where the syringe attached to the needle suctions out a small sample of cells and sometimes fluid?

**Options :**

1. ✘ Thick Needle aspiration
2. ✘ Swab collection
3. ✘ Gross tissue sampling
4. ✔ Fine-needle biopsy

**Question Number : 49 Question Id : 630680273756 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following statements are true?

Statement 1: The primary purpose of collecting fresh tissue samples for laboratory diagnosis is to prevent decomposition and microbial growth.

Statement 2: Formalin fixation is essential to maintain the structural integrity of tissues and preserve cellular details for microscopic examination.

**Options :**

1. ✘ Both statement 1 and statement 2 are true.
2. ✘ Statement 1 is true, but statement 2 is false.
3. ✔ Statement 1 is false, but statement 2 is true.
4. ✘ Both statement 1 and statement 2 are false.

**Question Number : 50 Question Id : 630680273757 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following statements are true?

Statement 1: Veterinary pathologists play a crucial role in the investigation of suspected animal abuse cases.

Statement 2: Writing an accurate post-mortem report is essential for documenting findings and providing evidence in veterolegal cases.

Statement 3: Notified diseases are those that are required by law to be reported to veterinary authorities.

**Options :**

1. ✘ Statements 1 and 2 are true, but statement 3 is false.
2. ✘ Statements 1 and 3 are true, but statement 2 is false.
3. ✘ Statements 2 and 3 are true, but statement 1 is false.
4. ✔ All statements 1, 2 and 3 are true.

**Question Number : 51 Question Id : 630680273758 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following statements are true?

Statement 1: Bacterial diseases often result in the formation of abscesses and the presence of inflammatory infiltrates.

Statement 2: Viral diseases typically cause degenerative changes in affected tissues and the formation of characteristic inclusion bodies.

Statement 3: Fungal diseases commonly lead to the development of granulomatous inflammation and the presence of hyphae or spores.

**Options :**

1. ✔ All Statements 1, 2 and 3 are correct
2. ✘ Only statement 1 is correct
3. ✘ Only statement 2 is correct
4. ✘ Only statements 2 and 3 are correct

**Question Number : 52 Question Id : 630680273759 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following conditions is categorized as a non-neoplastic disease?

**Options :**

1. ✘ Sarcoma
2. ✘ Leukaemia
3. ✔ Hepatic lipidosis
4. ✘ Melanoma

**Question Number : 53 Question Id : 630680273760 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following conditions is characterized by abnormal cell growth and the formation of tumours?

**Options :**

1. ✘ Nutritional deficiency
2. ✘ Metabolic disorder
3. ✘ Toxicity
4. ✔ Neoplasm

**Question Number : 54 Question Id : 630680273761 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Arrange the following avian diseases in increasing order based on their severity:

- A) Infectious bursal disease
- B) Marek's disease
- C) Newcastle disease
- D) Avian influenza

**Options :**

1. ✘ B-A-C-D
2. ✘ C-A-B-D
3. ✔ A-C-B-D
4. ✘ D-B-C-A

**Question Number : 55 Question Id : 630680273762 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Match the following laboratory animals with their respective commonly observed diseases:

1. Rat	A. Pasteurellosis
2. Rabbit	B. Mycobacteriosis
3. Fish	C. Ichthyophthiriasis
4. Bird	D. Avian pox

**Options :**

1. ✘ 1-A, 2-B, 3-D, 4-C
2. ✔ 1-A, 2-B, 3-C, 4-D
3. ✘ 1-B, 2-A, 3-C, 4-D
4. ✘ 1-B, 2-A, 3-D, 4-C

**Question Number : 56 Question Id : 630680273763 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Arrange the following emerging and re-emerging diseases of livestock in chronological order based on their first identification:

1. Bovine Spongiform Encephalopathy (BSE)
2. Porcine Epidemic Diarrhoea (PED)
3. Middle East Respiratory Syndrome (MERS)
4. African Swine Fever (ASF)

**Options :**

1. ✘ 1-2-3-4
2. ✔ 4-1-2-3
3. ✘ 4-1-3-2
4. ✘ 3-2-4-1

**Question Number : 57 Question Id : 630680273764 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Match the following techniques in pathology with their respective applications:

Techniques:	Applications:
1. Immunohistochemistry	a) Detection of specific proteins in tissues
2. Polymerase Chain Reaction (PCR)	b) Identification of genetic material
3. Necropsy	c) Postmortem examination
4. Histopathology	d) Microscopic examination of tissue samples

**Options :**

1. ✘ 1-b, 2-a, 3-c, 4-d
2. ✔ 1-a, 2-b, 3-c, 4-d
3. ✘ 1-b, 2-a, 3-d, 4-c
4. ✘ 1-a, 2-b, 3-d, 4-c

**Question Number : 58 Question Id : 630680273765 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

The study of parasitic worms and their impact on animal health and veterinary practices.

**Options :**

1. ✔ Veterinary Helminthology
2. ✘ Veterinary Entomology

3. ✘ Veterinary Acarology
4. ✘ Veterinary Protozoology

**Question Number : 59 Question Id : 630680273766 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following statements are true?

Statement 1: Miracidium is the larval stage of trematode parasites found in snails.

Statement 2: Snail dissection is the method used to identify cercariae.

**Options :**

1. ✘ Both Statement 1 and Statement 2 are true.
2. ✔ Statement 1 is true, but Statement 2 is false
3. ✘ Statement 1 is false, but Statement 2 is true.
4. ✘ Both Statement 1 and Statement 2 are false.

**Question Number : 60 Question Id : 630680273767 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Match the following parasites with their respective hosts in the context of zoo and wild animals:

Parasites:	Hosts:
1. Sarcoptes scabiei	A. Dog
2. Eimeria tenella	B. Cat
3. Fasciola hepatica	C. Poultry
4. Toxoplasma gondii	D. Sheep

**Options :**

1. ✘ 1-D, 2-C, 3-A, 4-B
2. ✔ 1-A, 2-C, 3-D, 4-B
3. ✘ 1-B, 2-A, 3-D, 4-C
4. ✘ 1-C, 2-D, 3-B, 4-A

**Question Number : 61 Question Id : 630680273768 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which branch of veterinary parasitology primarily focuses on the clinical aspects of parasitic infections in animals and their diagnosis?

**Options :**

1. ✔ Clinical Parasitology
2. ✘ Immunoparasitology
3. ✘ Molecular Parasitology
4. ✘ Veterinary Epidemiology

**Question Number : 62 Question Id : 630680273769 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which parasitological technique involves examining a faecal sample under a microscope to detect and identify parasite eggs or oocysts?

**Options :**

1. ✘ Serological testing
2. ✘ PCR (Polymerase Chain Reaction)
3. ✔ Baermann technique
4. ✘ ELISA (Enzyme-Linked Immunosorbent Assay)

**Question Number : 63 Question Id : 630680273770 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following factors is NOT a trend in the control of livestock and poultry parasites?

**Options :**

1. ✘ Integrated pest management strategies
2. ✔ Decreased emphasis on biosecurity measures
3. ✘ Vaccination against specific parasites
4. ✘ Development of new chemical dewormers

**Question Number : 64 Question Id : 630680273771 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following is an example of a strategic control measure for parasites affecting livestock?

**Options :**

1. ✘ Random administration of anthelmintic drugs
2. ✔ Rotational grazing and pasture management
3. ✘ Complete reliance on natural resistance of animals
4. ✘ Irregular deworming schedule

**Question Number : 65 Question Id : 630680273772 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Arrange the following methods used in the assessment of drug resistance in veterinary parasitology, which is basic method ?

**Options :**

1. ✔ Faecal Egg Count Reduction Test (FECRT)
2. ✘ In vitro susceptibility testing
3. ✘ Molecular markers of resistance
4. ✘ Whole-genome sequencing

**Question Number : 66 Question Id : 630680273773 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following statements regarding drug actions on various organs/systems of the body is correct?

Statement 1: Nonsteroidal anti-inflammatory drugs (NSAIDs) can cause gastrointestinal ulcers.

Statement 2: Beta-blockers increase heart rate and blood pressure.

**Options :**

1. ✔ Only Statement 1 is true.
2. ✘ Only Statement 2 is true.
3. ✘ Both Statement 1 and Statement 2 are true.
4. ✘ Both Statement 1 and Statement 2 are false.

**Question Number : 67 Question Id : 630680273774 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following statements regarding drug actions and adverse reactions on various organs/systems of the body is correct?

Statement 1: Corticosteroids can cause immunosuppression and increase the risk of infections.

Statement 2: Antihistamines can enhance the release of histamine in the body, leading to allergic reactions.

**Options :**

1. ✔ Only Statement 1 is correct.
2. ✘ Only Statement 2 is correct.
3. ✘ Both Statement 1 and Statement 2 are correct.
4. ✘ Both Statement 1 and Statement 2 are incorrect.

**Question Number : 68 Question Id : 630680273775 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following factors affects the absorption of drugs in veterinary pharmacology?

**Options :**

1. ✘ Biotransformation
2. ✘ Distribution

3. ✘ Excretion
4. ✔ Routes of administration

**Question Number : 69 Question Id : 630680273776 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following factors determines the rate and extent of drug distribution in veterinary pharmacology?

**Options :**

1. ✘ Biotransformation
2. ✘ Excretion
3. ✘ Absorption
4. ✔ Plasma protein binding

**Question Number : 70 Question Id : 630680273777 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Arrange the following items as per severity of its toxic effect on cats and dogs.

A. Xylitol, B. Dairy Products, C. Alcohol, D. Chocolate

**Options :**

1. ✘ ADBC
2. ✔ BCDA
3. ✘ CDBA
4. ✘ DBAC

**Question Number : 71 Question Id : 630680273778 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Arrange the following substances used in veterinary pharmacology and toxicology in chronological order based on their historical development:

- A) Antidotes
- B) Local anaesthetics
- C) General anaesthetics
- D) Nonsteroidal anti-inflammatory drugs (NSAIDs)

**Options :**

1. ✔ B, D, C, A
2. ✘ C, B, D, A
3. ✘ A, B, D, C
4. ✘ B, D, A, C

**Question Number : 72 Question Id : 630680273779 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following statements accurately describes the mechanism of action of antibiotics in veterinary pharmacology and toxicology?

- A. Antibiotics inhibit the synthesis of bacterial cell walls by targeting peptidoglycan, a key component of the cell wall structure.
- B. Antibiotics disrupt the replication of bacterial DNA by binding to and inhibiting bacterial DNA polymerase.
- C. Antibiotics inhibit protein synthesis in bacteria by binding to the 30S ribosomal subunit, thereby preventing the formation of functional ribosomes.

**Options :**

1. ✘ Only A and B
2. ✘ Only B and C
3. ✘ Only A and C
4. ✔ All A, B and C

**Question Number : 73 Question Id : 630680273780 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following antibiotics is known to inhibit bacterial protein synthesis by binding to the 50S ribosomal subunit?

**Options :**

1. ✘ Ampicillin



2. ✘ Ciprofloxacin
3. ✘ Tetracycline
4. ✔ Erythromycin

**Question Number : 74 Question Id : 630680273781 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following statements about zoonoses and their relationship to epidemiology is correct?

**Options :**

1. ✘ Zoonoses refer to diseases transmitted from humans to animals.
2. ✘ Epidemiology is not involved in the study of zoonotic diseases
3. ✘ Zoonoses are food-borne diseases caused by microbial contamination.
4. ✔ Epidemiology plays a crucial role in understanding, controlling, and preventing zoonotic diseases.

**Question Number : 75 Question Id : 630680273782 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following best describes the scope of epidemiology in relation to zoonotic diseases?

**Options :**

1. ✘ Epidemiology focuses solely on the surveillance and monitoring of zoonotic diseases.
2. ✔ Epidemiology studies the transmission patterns and risk factors associated with zoonotic diseases.
3. ✘ Epidemiology is concerned with the treatment and management of zoonotic diseases.
4. ✘ Epidemiology primarily investigates the genetic factors contributing to zoonotic diseases.

**Question Number : 76 Question Id : 630680273783 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Consider the following statements regarding the concept, scope, objectives, and uses of epidemiology in the context of zoonosis and food-borne diseases:

Statement 1: Epidemiology aims to study the distribution, determinants, and control of diseases in populations.

Statement 2: The scope of epidemiology in zoonosis and food-borne diseases includes identifying risk factors, investigating outbreaks, and evaluating control measures.

Statement 3: The objective of epidemiology in this field is to prevent, control, and manage zoonotic diseases and food-borne illnesses through surveillance, research, and interventions.

Statement 4: The primary use of epidemiology in zoonosis and food-borne diseases is to inform public health policies, interventions, and strategies for disease prevention and control

**Options :**

1. ✔ Statements 1, 2, and 3 are correct.
2. ✘ Statements 2 and 4 are correct.
3. ✘ Statements 1 and 4 are correct.
4. ✘ Statements 3 and 4 are correct.

**Question Number : 77 Question Id : 630680273784 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Arrange the following stages of disease control and eradication in increasing order of implementation complexity for major contagious and non-infectious diseases of livestock, birds, and zoo/wild animals:

A) Diagnosis and differential diagnosis

B) Treatment

C) Symptom identification and lesion examination

D) Aetiology and pathogenesis understanding

E) Transmission understanding

**Options :**

1. ✔ D, E, C, A, B
2. ✘ C, A, E, D, B
3. ✘ E, D, C, A, B
4. ✘ D, E, A, C, B

**Question Number : 78 Question Id : 630680273785 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Match the following diseases with their respective control measures:

Diseases:	Control Measures:
1. Foot-and-mouth disease (FMD)	A. Vaccination and strict biosecurity measures
2. Avian influenza (AI)	B. Test-and-cull programs and improved herd management
3. Rabies	C. Mass vaccination campaigns and movement restrictions
4. Johne's disease	D. Vaccination of susceptible animal populations and quarantine protocols

Options :

1. ✓ 1-C, 2-A, 3-D, 4-B
2. ✗ 1-A, 2-C, 3-D, 4-B
3. ✗ 1-C, 2-D, 3-A, 4-B
4. ✗ 1-A, 2-C, 3-B, 4-D

Question Number : 79 Question Id : 630680273786 Is Question Mandatory : No Calculator : None Response Time : N.A  
Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Match the following according to microbes and their common infection source in human being.

Livestock Products and By-products:	Public Health Concerns:
1. Milk	A. Mycotoxins
2. Wool	B. Bacillus anthracis
3. Eggs	C. Brucellosis transmission
4. Honey	D. Botulism toxin

Options :

1. ✓ 1-A, 2-B, 3-C, 4-D
2. ✗ 1-C, 2-A, 3-B, 4-D
3. ✗ 1-A, 2-B, 3-D, 4-C
4. ✗ 1-C, 2-D, 3-A, 4-B

Question Number : 80 Question Id : 630680273787 Is Question Mandatory : No Calculator : None Response Time : N.A  
Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Arrange the following events related to legislation and international food safety standards in chronological order:

- A. Formation of the World Trade Organization (WTO)
- B. Adoption of national food safety standards
- C. Establishment of the World Organisation for Animal Health (OIE)
- D. Implementation of international food safety standards

Options :

1. ✓ C, A, B, D
2. ✗ A, C, B, D
3. ✗ B, C, A, D
4. ✗ B, A, C, D

Question Number : 81 Question Id : 630680273788 Is Question Mandatory : No Calculator : None Response Time : N.A  
Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following statements best describes the socio-economic impact of zoonotic diseases in India?

Options :

1. ✗ Zoonotic diseases have minimal impact on the socio-economic status of the population.
2. ✗ The socio-economic impact of zoonotic diseases in India is primarily limited to rural areas
3. ✓ Zoonotic diseases have significant socio-economic implications, affecting both rural and urban populations.
4. ✗ The socio-economic impact of zoonotic diseases in India is negligible due to effective control measures.

**Question Number : 82 Question Id : 630680273789 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following zoonotic disease in India has been associated with significant socio-economic impact?

**Options :**

1. ✘ Avian influenza (bird flu)
2. ✘ Brucellosis
3. ✘ Leptospirosis
4. ✔ Rabies

**Question Number : 83 Question Id : 630680273790 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following is an effective control measure for environmental pollutants in veterinary epidemiology and public health?

**Options :**

1. ✘ Vaccination of livestock against environmental pollutants
2. ✔ Implementing proper waste management practices.
3. ✘ Administration of antibiotics to animals
4. ✘ Regular screening of wildlife for environmental pollutants.

**Question Number : 84 Question Id : 630680273791 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Choose statements regarding the establishment of Animal Healthcare Centres:

Statement 1: Animal Healthcare Centres are primarily focused on providing medical care to companion animals.

Statement 2: The establishment of Animal Healthcare Centres aims to improve animal health and welfare through preventive measures, diagnostics, and treatment.

**Options :**

1. ✘ Statement 1 is true, and Statement 2 is false.
2. ✔ Statement 1 is false, and Statement 2 is true
3. ✘ Both Statement 1 and Statement 2 are true.
4. ✘ Both Statement 1 and Statement 2 are false.

**Question Number : 85 Question Id : 630680273792 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following best describes the relationship between bioterrorism and disaster management in the context of veterinary epidemiology and public health?

**Options :**

1. ✘ Bioterrorism and disaster management are unrelated and independent concepts.
2. ✔ Bioterrorism and disaster management are separate but interconnected concepts.
3. ✘ Bioterrorism is a type of disaster that falls under the broader concept of disaster management.
4. ✘ Disaster management includes bioterrorism as one of its components.

**Question Number : 86 Question Id : 630680273793 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following diseases in livestock and poultry is caused by a fungal infection?

**Options :**

1. ✘ Bovine respiratory syncytial disease
2. ✘ Newcastle disease
3. ✘ Coccidiosis
4. ✔ Aspergillosis

**Question Number : 87 Question Id : 630680273794 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following diseases affect poultry?

**Options :**

1. ✘ Anthrax
2. ✘ Johne's disease
3. ✔ Newcastle disease
4. ✘ Blackleg

**Question Number : 88 Question Id : 630680273795 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following pairs of statements regarding the diagnosis, treatment, and prevention of livestock and poultry diseases of bacterial, viral, parasitic, and fungal origin is correct?

Statement 1: Brucellosis is a bacterial disease that commonly affects livestock and can be transmitted to humans.

Statement 2: Vaccination is an effective preventive measure for Newcastle disease, a viral disease in poultry.

**Options :**

1. ✔ Both statement 1 and statement 2 are true.
2. ✘ Statement 1 is true, but statement 2 is false
3. ✘ Statement 1 is false, but statement 2 is true.
4. ✘ Both statement 1 and statement 2 are false.

**Question Number : 89 Question Id : 630680273796 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following pairs of statements regarding the diagnosis, treatment, and prevention of livestock and poultry diseases of bacterial, viral, parasitic, and fungal origin is correct?

Statement 1: Coccidiosis is a bacterial disease that commonly affects poultry, causing diarrhoea and decreased growth.

Statement 2: Ectoparasitic infestations in livestock can be effectively treated with antibiotics.

**Options :**

1. ✘ Both statement 1 and statement 2 are true.
2. ✘ Statement 1 is true, but statement 2 is false.
3. ✔ Both statement 1 and statement 2 are false.
4. ✘ Statement 1 is false, but statement 2 is true.

**Question Number : 90 Question Id : 630680273797 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following diseases in livestock and poultry is caused by a bacterial pathogen?

**Options :**

1. ✘ Newcastle disease
2. ✘ Avian influenza
3. ✘ Foot-and-mouth disease
4. ✔ Brucellosis

**Question Number : 91 Question Id : 630680273798 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following diseases in livestock and poultry is caused by a parasitic pathogen?

**Options :**

1. ✘ Foot-and-mouth disease
2. ✘ Avian influenza
3. ✘ Salmonellosis
4. ✔ Coccidiosis

**Question Number : 92 Question Id : 630680273799 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which statements regarding metabolic and deficiency disorders in animals are true?

Statement 1: Hypocalcaemia is a common metabolic disorder in dairy cows during the postpartum period.

Statement 2: Vitamin E deficiency can lead to white muscle disease in calves.

Statement 3: Ketosis is a metabolic disorder primarily observed in horses.

Statement 4: Copper deficiency can result in anaemia and poor growth in sheep.

**Options :**

1. ✘ Only statements 1 and 2 are true.
2. ✘ Only statements 2 and 3 are true.
3. ✘ Only statements 1, 3 and 4 are true.
4. ✔ Only statements 1, 2, and 4 are true.

**Question Number : 93 Question Id : 630680273800 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following is a metabolic disorder commonly observed in horses?

**Options :**

1. ✘ Hypocalcaemia
2. ✘ Ketosis
3. ✘ Milk fever
4. ✔ Laminitis

**Question Number : 94 Question Id : 630680273801 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following is a deficiency disorder commonly observed in poultry?

**Options :**

1. ✔ Rickets
2. ✘ Ketosis
3. ✘ Laminitis
4. ✘ Milk fever

**Question Number : 95 Question Id : 630680273802 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following conditions is characterized by a deficiency of vitamin B12 in animals?

**Options :**

1. ✘ Rickets
2. ✘ Ketosis
3. ✔ Megaloblastic anaemia
4. ✘ Perosis

**Question Number : 96 Question Id : 630680273803 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Match the following clinical signs with their corresponding diseases in livestock:

Clinical sign:	Disease:
1. Respiratory distress, coughing, and nasal discharge.	A. Bovine viral diarrhoea (BVD).
2. Diarrhoea, dehydration, and weight loss.	B. Caseous lymphadenitis caused by the bacterium <i>Corynebacterium</i> .
3. Enlarged lymph nodes, fever	C. Bovine respiratory disease complex (BRD)

**Options :**

1. ✘ 1-A, 2-B, 3-C
2. ✘ 1-B, 2-C, 3-A
3. ✔ 1-C, 2-A, 3-B
4. ✘ 1-A, 2-C, 3-B

**Question Number : 97 Question Id : 630680273804 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Correct Marks : 2 Wrong Marks : 0

Match the following diseases with their corresponding causative agents:

Diseases:	Causative Agents:
1. Bovine Spongiform Encephalopathy (BSE)	a) Salmonella spp
2. Newcastle Disease	b) Avian paramyxovirus type 1
3. Salmonellosis	c) Clostridium perfringens
4. Fowl Cholera	d) disease caused by Prion

Options :

1. ✓ 1-d, 2-b, 3-a, 4-c
2. ✗ 1-c, 2-a, 3-b, 4-d
3. ✗ 1-d, 2-a, 3-c, 4-b
4. ✗ 1-c, 2-b, 3-d, 4-a

Question Number : 98 Question Id : 630680273805 Is Question Mandatory : No Calculator : None Response Time : N.A  
Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Match the following.

Diseases:	Clinical Signs:
1. Foot-and-mouth disease	a) Lameness, vesicles on the tongue and feet, drooling
2. Avian influenza	b) Respiratory distress, nasal discharge, coughing
3. Johne's disease	c) Chronic diarrhoea, weight loss, emaciation
4 Bovine respiratory syncytial virus (BRSV) infection	d) Sudden death, cyanosis, edema of the head and neck

Options :

1. ✓ 1-a, 2-b, 3-c, 4-d
2. ✗ 1-b, 2-c, 3-d, 4-a
3. ✗ 1-c, 2-d, 3-a, 4-b
4. ✗ 1-d, 2-a, 3-b, 4-c

Question Number : 99 Question Id : 630680273806 Is Question Mandatory : No Calculator : None Response Time : N.A  
Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following best describes the role of alternate/integrated/ethno veterinary medicine?

Options :

1. ✓ It refers to the use of traditional veterinary practices based on indigenous knowledge and cultural beliefs.
2. ✗ It involves the use of advanced technological interventions and pharmaceutical drugs in veterinary treatment.
3. ✗ It focuses on the use of surgery and medical procedures for the diagnosis and treatment of animal diseases
4. ✗ It emphasizes the importance of preventive measures such as vaccination and biosecurity in animal health.

Question Number : 100 Question Id : 630680273807 Is Question Mandatory : No Calculator : None Response Time : N.A  
Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Match the following.

Organization	Institution Role
1. SPCA	A. Enforcing animal welfare laws
2. Animal Welfare Board of India	B. Promoting and advocating for animal rights
3. NGOs	C. Providing shelter and care for animals in need

Options :

1. ✘ 1-B, 2-C, 3-A
2. ✘ 1-A, 2-B, 3-C
3. ✘ 1-C, 2-A, 3-B
4. ✔ 1-B, 2-A, 3-C

Question Number : 101 Question Id : 630680273808 Is Question Mandatory : No Calculator : None Response Time : N.A

Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following statements regarding Animal Welfare Board of India is False?

Options :

1. ✘ The Animal Welfare Board of India is a statutory advisory body.
2. ✔ The Board consists of 12 Members including 2 Members of Parliament.
3. ✘ The Animal Welfare Board of India was started under the stewardship of Late Smt. Rukmini Devi Arundale.
4. ✘ Established in 1962 under Section 4 of the Prevention of Cruelty to Animals Act, 1960.

Question Number : 102 Question Id : 630680273809 Is Question Mandatory : No Calculator : None Response Time : N.A

Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Arrange the following laws relating to offences affecting public health in chronological order:

- A. Food Safety and Standards Act,
- B. Epidemic Diseases Act,
- C. Prevention of Food Adulteration Act,
- D. Public Health Act,

Options :

1. ✘ B, D, C, A
2. ✔ D, B, C, A
3. ✘ D, C, B, A
4. ✘ B, C, D, A

Question Number : 103 Question Id : 630680273810 Is Question Mandatory : No Calculator : None Response Time : N.A

Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following acts is specifically related to offences affecting public health in veterinary medicine?

Options :

1. ✘ Animal Welfare Act
2. ✘ Food Safety and Standards Act
3. ✘ Wildlife Protection Act
4. ✔ Epidemic Diseases Act

Question Number : 104 Question Id : 630680273811 Is Question Mandatory : No Calculator : None Response Time : N.A

Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following structures is unique to the female reproductive tract in veterinary anatomy?

Options :

1. ✔ uterus
2. ✘ testis
3. ✘ epididymis
4. ✘ prostate gland

**Question Number : 105 Question Id : 630680273812 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following statements is correct?

Statement 1: In the male reproductive system, the epididymis is responsible for the production of sperm.

Statement 2: In the female reproductive system, the fallopian tubes are responsible for the production of eggs.

**Options :**

1. ✘ Both Statement 1 and Statement 2 are correct.
2. ✘ Statement 1 is correct, and Statement 2 is incorrect.
3. ✘ Statement 1 is incorrect, and Statement 2 is correct.
4. ✔ Both Statement 1 and Statement 2 are incorrect.

**Question Number : 106 Question Id : 630680273813 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

During which phase of the oestrus cycle does ovulation typically occur in female cattle?

**Options :**

1. ✘ Proestrus
2. ✔ Oestrus
3. ✘ Metoestrous
4. ✘ Diestrous

**Question Number : 107 Question Id : 630680273814 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which hormone is primarily responsible for initiating and maintaining the oestrus cycle in female animals?

**Options :**

1. ✘ Progesterone
2. ✔ Estrogen
3. ✘ Follicle-stimulating hormone (FSH)
4. ✘ Luteinizing hormone (LH)

**Question Number : 108 Question Id : 630680273815 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which hormone is responsible for the development and maintenance of pregnancy in female animals?

**Options :**

1. ✔ Progesterone
2. ✘ Estrogen
3. ✘ Follicle-stimulating hormone
4. ✘ Luteinizing hormone (LH)

**Question Number : 109 Question Id : 630680273816 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following statements are true regarding the hormone oxytocin?

Statement 1: Oxytocin is produced by the hypothalamus and released by the posterior pituitary gland.

Statement 2: Oxytocin stimulates uterine contractions during parturition (birth) and facilitates milk let-down during lactation.

Statement 3: Oxytocin is primarily involved in the development and maturation of ovarian follicles.

**Options :**

1. ✔ Only Statements 1 and 2 are true
2. ✘ Only Statements 1 and 3 are true
3. ✘ Only Statements 2 and 3 are true
4. ✘ All statements 1, 2 and 3 are true

**Question Number : 110 Question Id : 630680273817 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following is an example of a reproductive disorder in animals?



**Options :**

1. ✓ Pyometra
2. ✘ Canine Parvovirus (CPV)
3. ✘ Equine Influenza
4. ✘ Avian Influenza

**Question Number : 111 Question Id : 630680273818 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following is a common reproductive disorder in dairy cows?

**Options :**

1. ✘ Equine Rhinopneumonitis
2. ✘ Porcine Reproductive and Respiratory Syndrome
3. ✘ Bovine Respiratory Syncytial Virus
4. ✓ Retained Placenta

**Question Number : 112 Question Id : 630680273819 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Match the following reproductive disorders with their corresponding characteristics:

1. Pyometra	A. Inflammation of the uterus
2. Dystocia	B. Abnormal or difficult birth
3. Metritis	C. Collection of pus in the uterus
4. Estrus synchronization	D. Manipulation of the estrus cycle for breeding purposes

**Options :**

1. ✓ 1-C, 2-B, 3-A, 4-D
2. ✘ 1-A, 2-C, 3-D, 4-B
3. ✘ 1-C, 2-A, 3-B, 4-D
4. ✘ 1-D, 2-B, 3-C, 4-A

**Question Number : 113 Question Id : 630680273820 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Multiple ovulation and embryo transfer technology (MOET) is a reproductive technique used in veterinary gynaecology and obstetrics. Which of the following statements about MOET is correct?

**Options :**

1. ✓ MOET involves the transfer of multiple embryos into a single recipient animal.
2. ✘ MOET is primarily used in small animal breeding programs
3. ✘ MOET is a non-invasive procedure that does not require hormone treatments.
4. ✘ MOET can only be performed in livestock and not in zoo animals.

**Question Number : 114 Question Id : 630680273821 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Multiple ovulation and embryo transfer (MOET) technology is primarily used for:

**Options :**

1. ✘ Increasing the fertility of male animals
2. ✘ Improving the reproductive health of female animals
3. ✘ Managing reproductive disorders in male animals
4. ✓ Enhancing the genetic potential of female animals

**Question Number : 115 Question Id : 630680273822 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following methods is commonly used for pregnancy diagnosis in dairy animals?

**Options :**

1. ✘ Radiography
2. ✘ Angiography
3. ✘ Urinalysis
4. ✔ Rectal palpation

**Question Number : 116 Question Id : 630680273823 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Arrange the following methods of pregnancy at 3<sup>rd</sup> month diagnosis in veterinary obstetrics in increasing order of their accuracy:

- A. Rectal palpation
- B. Ultrasonography
- C. Blood hormone analysis
- D. Radiography

**Options :**

1. ✔ D<C<A<B
2. ✘ D<A<C<B
3. ✘ A<C<B<D
4. ✘ B<C<A<D

**Question Number : 117 Question Id : 630680273824 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following characteristics are important for quality semen production in different species of animals?

**Options :**

1. ✔ Sperm count, motility, and morphology
2. ✘ Colour of the semen
3. ✘ Estrogen levels
4. ✘ Presence of genetic abnormalities in spermatozoa

**Question Number : 118 Question Id : 630680273825 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Arrange the following steps in the chronological order of quality semen production in different species of animals:

- a) Semen collection
- b) Semen evaluation
- c) Semen processing and preservation
- d) Semen insemination

**Options :**

1. ✘ b, d, a, c
2. ✔ a, b, c, d
3. ✘ d, c, a, b
4. ✘ c, b, d, a

**Question Number : 119 Question Id : 630680273826 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

The process of removing moisture from a substance through freezing and sublimation, preserving its structure and properties is called \_\_\_\_\_.

**Options :**

1. ✘ Slow freezing
2. ✘ Vitrification
3. ✔ Lyophilization
4. ✘ Cryoprotectant-freezing

**Question Number : 120 Question Id : 630680273827 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which technique is commonly used for the cryopreservation of oocytes in veterinary artificial insemination?

**Options :**

1. ✘ Slow freezing
2. ✔ Vitrification
3. ✘ Lyophilization
4. ✘ Cryoprotectant-freezing

**Question Number : 121 Question Id : 630680273828 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

In veterinary practice, which organization is responsible for the establishment and organization of semen production and artificial insemination centers?

**Options :**

1. ✘ World Health Organization (WHO)
2. ✘ International Atomic Energy Agency (IAEA)
3. ✔ Food and Agriculture Organization (FAO)
4. ✘ International Embryo Transfer Society (IETS)

**Question Number : 122 Question Id : 630680273829 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following principles is considered a fundamental aspect of general surgical procedures in veterinary practice?

**Options :**

1. ✘ Anaesthesia
2. ✘ Hemostasis
3. ✘ Tissue approximation
4. ✔ Asepsis

**Question Number : 123 Question Id : 630680273830 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Match the following general surgical principles with their corresponding descriptions:

Principle:	Description:
1. Aseptic technique	A. Ensuring a clean and sterile surgical field to prevent infection.
2. Hemostasis	B. Achieving control of bleeding during surgery.
3. Proper tissue handling	C. Gentle and careful manipulation of tissues to minimize damage.
4. Closure methods	D. Techniques used to close surgical incisions and wounds.

**Options :**

1. ✔ 1-A, 2-B, 3-C, 4-D
2. ✘ 1-B, 2-A, 3-D, 4-C
3. ✘ 1-C, 2-D, 3-A, 4-B
4. ✘ 1-D, 2-C, 3-B, 4-A

**Question Number : 124 Question Id : 630680273831 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following surgical instruments is commonly used for electrocautery during veterinary surgeries?

**Options :**

1. ✘ Hemostat
2. ✘ Trocar
3. ✔ Bipolar forceps
4. ✘ Needle

**Question Number : 125 Question Id : 630680273832 Is Question Mandatory : No Calculator : None Response Time : N.A**

**Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Select the correct statements regarding surgical equipment used in veterinary surgery.

Statement 1: A scalpel is a surgical instrument used for making incisions in tissues.

Statement 2: A trocar is a surgical instrument used for suturing wounds.

Statement 3: A surgical drill is a tool used for cutting bones during orthopaedic procedures.

Statement 4: A biopsy forceps is a surgical instrument used for visual examination of internal organs

**Options :**

1. ✓ Statements 1 and 3 are correct.
2. ✗ Statements 2 and 4 are correct.
3. ✗ Statements 1 and 4 are correct.
4. ✗ Statements 2 and 3 are correct.

**Question Number : 126 Question Id : 630680273833 Is Question Mandatory : No Calculator : None Response Time : N.A**

**Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following tasks are part of operation theatre management in veterinary surgery?

A. Preparing surgical instruments and equipment

B. Monitoring anaesthesia during surgery

C. Disinfecting and maintaining a sterile environment

**Options :**

1. ✗ Only A and B
2. ✗ Only A and C
3. ✗ Only B and C
4. ✓ All A, B and C

**Question Number : 127 Question Id : 630680273834 Is Question Mandatory : No Calculator : None Response Time : N.A**

**Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following terms refers to the complete elimination of all microorganisms, including spores, from an object or area?

**Options :**

1. ✗ Asepsis
2. ✗ Antisepsis
3. ✓ Sterilization
4. ✗ Disinfection

**Question Number : 128 Question Id : 630680273835 Is Question Mandatory : No Calculator : None Response Time : N.A**

**Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following terms refers to the process of reducing the number of viable microorganisms on an object or surface?

**Options :**

1. ✗ Asepsis
2. ✗ Antisepsis
3. ✗ Sterilization
4. ✓ Disinfection

**Question Number : 129 Question Id : 630680273836 Is Question Mandatory : No Calculator : None Response Time : N.A**

**Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following imaging techniques is commonly used to assess the internal structures and abnormalities in veterinary patients?

**Options :**

1. ✗ Computed Tomography (CT)
2. ✗ Magnetic Resonance Imaging (MRI)
3. ✓ Ultrasonography
4. ✗ Endotherapy

**Question Number : 130 Question Id : 630680273837 Is Question Mandatory : No Calculator : None Response Time : N.A**

**Think Time : N.A Minimum Instruction Time : 0**

Correct Marks : 2 Wrong Marks : 0

Match the following radiographic findings with their corresponding descriptions:

Radiographic Findings:	Descriptions:
1. Osteophytes	A) Abnormal bony outgrowths often seen at joint margins.
2. Lytic lesions	B) Areas of bone destruction seen as dark regions on radiographs.
3. Sclerosis	C) Increased bone density seen as whiter regions on radiographs.
4. Soft tissue opacity	D) Abnormal density or opacity observed in soft tissues

Options :

1. ✘ 1-C, 2-B, 3-D, 4-A
2. ✘ 1-B, 2-D, 3-C, 4-A
3. ✔ 1-A, 2-B, 3-C, 4-D
4. ✘ 1-D, 2-B, 3-A, 4-C

Question Number : 131 Question Id : 630680273838 Is Question Mandatory : No Calculator : None Response Time : N.A  
Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following imaging modalities uses sound waves to create images of internal structures?

Options :

1. ✘ Radiography
2. ✘ Computed Tomography (CT)
3. ✘ Magnetic Resonance Imaging (MRI)
4. ✔ Ultrasonography

Question Number : 132 Question Id : 630680273839 Is Question Mandatory : No Calculator : None Response Time : N.A  
Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Arrange the following steps in the correct chronological order for pre-operative considerations in veterinary surgery:

- A) Administering anaesthetic medications
- B) Patient evaluation and assessment
- C) Obtaining informed consent from the owner
- D) Placing an intravenous catheter
- E) Fasting the patient prior to surgery

Options :

1. ✘ B, C, E, D, A
2. ✘ A, B, C, D, E
3. ✔ C, B, E, D, A
4. ✘ E, C, B, D, A

Question Number : 133 Question Id : 630680273840 Is Question Mandatory : No Calculator : None Response Time : N.A  
Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following is an example of a pre-operative consideration in veterinary surgery?

Options :

1. ✘ Administering pain medication
2. ✘ Control of haemorrhage
3. ✔ Performing a thorough physical examination
4. ✘ Removing sutures and dressings

Question Number : 134 Question Id : 630680273841 Is Question Mandatory : No Calculator : None Response Time : N.A  
Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following statements regarding various surgical interventions in animals is true or false?

Statement 1: Amputation is a surgical intervention commonly performed to remove a diseased or injured limb in animals.

Statement 2: Splenectomy is a surgical intervention performed to remove the spleen in animals with certain medical conditions

Options :

1. ✘ Statement 1 is true and statement 2 is false.
2. ✘ Statement 1 is false and statement 2 is true.
3. ✔ Both statements 1 and 2 are true.
4. ✘ Both statements 1 and 2 are false.

**Question Number : 135 Question Id : 630680273842 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Arrange the following surgical interventions in animals in increasing order based on their complexity:

- a) Splenectomy
- b) Castration
- c) Gastrotomy
- d) Thoracotomy

**Options :**

1. ✔ b, c, a, d
2. ✘ c, b, a, d
3. ✘ b, a, c, d
4. ✘ c, a, b, d

**Question Number : 136 Question Id : 630680273843 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following is a common surgical emergency in small animal veterinary practice?

**Options :**

1. ✘ Neuter surgery
2. ✘ Surgical Dental extraction
3. ✔ Pyometra
4. ✘ Aural hematoma

**Question Number : 137 Question Id : 630680273844 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following is a crucial component of intensive care in veterinary practice?

**Options :**

1. ✘ Routine vaccinations
2. ✔ Assessment of vital signs and parameters
3. ✘ Routine dental cleanings
4. ✘ Grooming and deworming

**Question Number : 138 Question Id : 630680273845 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Diathermy is a therapeutic modality commonly used in veterinary physiotherapy. Which of the following statements regarding diathermy is correct?

- A. Diathermy is a form of physical exercise therapy for animals with musculoskeletal conditions.
- B. Diathermy is primarily used for diagnostic purposes in veterinary medicine.
- C. Diathermy uses electric current to produce heat and promote tissue healing.

**Options :**

1. ✘ Only A and B
2. ✘ Only B
3. ✔ Only C
4. ✘ Only A and C

**Question Number : 139 Question Id : 630680273846 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following is a common livestock farming system in rural India?

**Options :**

1. ✘ Aquaculture

2. ✘ Apiculture
3. ✘ Sericulture
4. ✔ Dairy farming

**Question Number : 140 Question Id : 630680273847 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following statement/s is/are true?

Statement 1: Technology transfer in livestock animal husbandry practices aims to improve rural livelihoods.

Statement 2: Rural upliftment involves the implementation of sustainable agricultural practices.

**Options :**

1. ✔ Both statements 1 and 2 are true.
2. ✘ Statement 1 is true, but statement 2 is false
3. ✘ Statement 1 is false, but statement 2 is true
4. ✘ Both statements 1 and 2 are false.

**Question Number : 141 Question Id : 630680273848 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Arrange the following A.H. developmental programs in the chronological order of their initiation:

- 1.National Livestock Mission (NLM)
- 2.Integrated Dairy Development Scheme (IDDS)
- 3.Rashtriya Krishi Vikas Yojana (RKVY)
- 4.National Dairy Plan (NDP)

**Options :**

1. ✘ 3, 2, 1, 4
2. ✘ 2, 3, 1, 4
3. ✘ 3, 2, 4, 1
4. ✔ 2, 3, 4, 1

**Question Number : 142 Question Id : 630680273849 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following statements are true?

Statement 1: Livestock economics focuses on the study of economic principles and practices related to livestock production and management.

Statement 2: Marketing is an important aspect of livestock business management and involves promoting and selling livestock products to customers

**Options :**

1. ✘ Statement 1 is true, statement 2 is false.
2. ✘ Statement 1 is false, statement 2 is true.
3. ✔ Both statements 1 and 2 are true
4. ✘ Both statements 1 and 2 are false.

**Question Number : 143 Question Id : 630680273850 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Match the following livestock with their respective contributions to the national economy:

1. Cattle	A. Significant source of meat and meat products
2. Poultry	B. Major contributor to the wool industry
3. Swine	C. Important for dairy products and leather industry
4. Sheep	D. Prominent in the egg and meat production sector

**Options :**

1. ✔ A-3, B-4, C-1, D-2
2. ✘ A-2, B-3, C-1, D-4
3. ✘ A-3, B-1, C-4, D-2

4. ✘ A-1, B-2, C-4, D-3

**Question Number : 144 Question Id : 630680273851 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which aspect of Veterinary Extension and Animal Husbandry focuses on the economic impact of animal diseases and losses, as well as the trade of livestock across international borders?

**Options :**

1. ✘ Breeder economics and marketing
2. ✘ Animal disease management
3. ✘ International Veterinary public health
4. ✔ Trans-boundary livestock trade and disease economics

**Question Number : 145 Question Id : 630680273852 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following is an example of a biotechnological tool used in animal health practices?

**Options :**

1. ✔ Polymerase Chain Reaction (PCR)
2. ✘ X-ray imaging
3. ✘ Ultrasonography
4. ✘ Blood, hormone analysis

**Question Number : 146 Question Id : 630680273853 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following statements are true regarding techniques of molecular biology and genetic engineering in veterinary biotechnology? Select all that apply.

Statement 1: Polymerase Chain Reaction (PCR) is a technique used to amplify specific DNA sequences.

Statement 2: Cloning is a process used to create genetically identical copies of an organism.

Statement 3: Genetic engineering involves the manipulation of an organism's DNA to introduce desirable traits.

Statement 4: Restriction enzymes are used to cut DNA at specific recognition sites.

Statement 5: Gel electrophoresis is a technique used to separate DNA fragments based on their size

**Options :**

1. ✘ Statements 1, 2 and 4 are true
2. ✘ Statements 2, 3 and 5 are true
3. ✘ Statements 1, 3 and 4 are true
4. ✔ All statements 1, 2, 3, 4 and 5 are true

**Question Number : 147 Question Id : 630680273854 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which technique is commonly used in Veterinary Biotechnology for the amplification of specific DNA sequences?

**Options :**

1. ✘ Gel electrophoresis
2. ✔ Polymerase Chain Reaction (PCR)
3. ✘ Gene cloning
4. ✘ DNA sequencing

**Question Number : 148 Question Id : 630680273855 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following is a field of Veterinary Biotechnology that focuses on studying the immune system in animals and developing immunological methods for disease prevention and treatment?

**Options :**

1. ✘ Cellular diagnostics
2. ✘ Animal cell culture
3. ✘ Reproductive biotechnology
4. ✔ Immunology



**Question Number : 149 Question Id : 630680273856 Is Question Mandatory : No Calculator : None Response Time : N.A  
Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Arrange the following topics in chronological order of their development in Veterinary Biotechnology:

- A. Animal Cell Culture
- B. First "Test Tube" Calf
- C. Dolly the Sheep
- D. Rabies Vaccine
- E. Artificial Insemination in Cattle

**Options :**

- 1. ✘ BDEAC
- 2. ✘ CBADE
- 3. ✔ DAEB C
- 4. ✘ EBCDA

**Question Number : 150 Question Id : 630680273857 Is Question Mandatory : No Calculator : None Response Time : N.A  
Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following techniques is used to introduce foreign DNA into host organisms?

**Options :**

- 1. ✘ Polymerase Chain Reaction (PCR)
- 2. ✘ Southern blotting
- 3. ✔ Transfection
- 4. ✘ Gel electrophoresis