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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.

Question Paper Name :

PC22232 VETERINARY SCIENCE DEGREE LEVEL  
VETERINARY ASSISTANT SURGEON CLASS A  
VAS2223

Subject Name :

PC22232 VETERINARY SCIENCE DEGREE LEVEL  
VETERINARY ASSISTANT SURGEON CLASS A  
VAS2223

Actual Answer Key :

Yes

Calculator :

None

Magnifying Glass Required? :

No

Ruler Required? :

No

Eraser Required? :

No

Scratch Pad Required? :

No

Rough Sketch/Notepad Required? :

No

Protractor Required? :

No

Show Watermark on Console? :

Yes

Highlighter :

No

Auto Save on Console?

Yes

Change Font Color :

No

Change Background Color :

No

Change Theme :

No

Help Button :

No

Show Reports :

No

Show Progress Bar :

No

Is this Group for Examiner? :

No

Examiner permission :

Cant View

Show Progress Bar? :

No

VETERINARY SCIENCE DEGREE LEVEL VETERINARY ASSISTANT SURGEON  
CLASS A

Section type :

Online

Enable Mark as Answered Mark for Review and Clear Response :

Yes

Maximum Instruction Time :

0

Is Section Default? :





null

Question Number : 1 Question Id : 630680270599 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 role of livestock and their products in the Indian economy and human health?

## Options :

-  Livestock contribute significantly to the agricultural sector and provide income for farmers through milk, meat, and other products.
-  Livestock have a minimal impact on the Indian economy and are primarily raised for domestic consumption
-  Livestock play a negligible role in human health as their products have limited nutritional value
-  Livestock farming is a declining industry in India due to the rise of alternative protein sources.

Question Number : 2 Question Id : 630680270600 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 current livestock programmes and policies of state and nation?

## Options :

-  The state and nation have implemented comprehensive livestock development programs to promote sustainable farming practices and improve animal health and productivity.

2. ✖ There are no specific livestock programmes and policies in place at the state and national level.
3. ✖ The state and nation focus solely on commercial livestock farming without considering the welfare and well-being of the animals.
4. ✖ The state and nation prioritize crop farming and allocate minimal resources to livestock development.

**Question Number : 3 Question Id : 630680270601 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 current livestock programmes and policies of state and nation?

Statement 1: These programmes and policies focus on promoting sustainable livestock farming practices.

Statement 2: They aim to improve the productivity and efficiency of the livestock sector.

Statement 3: The policies prioritize animal welfare and ethical treatment of livestock.

Statement 4: The programmes provide financial incentives and give money support for livestock farmers.

**Options :**

1. ✔ Statement 1 and 2 are true
2. ✖ Statement 2 and 3 are true
3. ✖ Statement 3 and 4 are true
4. ✖ Statement 1 and 4 are true

**Question Number : 4 Question Id : 630680270602 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 livestock sectors are included in the subtopic "Economics of dairy, Sheep, goat, poultry, pig, rabbit farming and fisheries"?

1. Dairy and sheep farming
2. Goat and poultry farming
3. Pig and rabbit farming

**Options :**

1. ✖ Only 1 and 2
2. ✖ Only 2 and 3
3. ✖ Only 1 and 3
4. ✔ All 1, 2 and 3

**Question Number : 5 Question Id : 630680270603 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: Dairy farming is included in the subtopic "Economics of dairy, Sheep, goat, poultry, pig, rabbit farming and fisheries."

Statement 2: Fisheries are also part of the subtopic "Economics of dairy, Sheep, goat, poultry, pig, rabbit farming and fisheries."

**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 : 6 Question Id : 630680270604 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 subtopic "Constraints to the livestock development programs"?

**Options :**

1. ✔ It focuses on the challenges and obstacles faced in the implementation of livestock development programs.
2. ✖ It explores the benefits and advantages of livestock development programs.
3. ✖ It discusses the history and evolution of livestock development programs
4. ✖ It analyses the economic impact of livestock development programs.

**Question Number : 7 Question Id : 630680270605 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 defines the subtopic "Common terms used in Animal Husbandry"?

**Options :**

1. ✖ It refers to the basic principles and practices of animal husbandry.
2. ✖ It focuses on the nutritional requirements of livestock animals.
3. ✖ It explores the different breeds and species of livestock animals.

4. ✓ It encompasses the terminology and vocabulary commonly used in animal husbandry.

**Question Number : 8 Question Id : 630680270606 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:

- A) Cattle
- B) Sheep
- C) Pigs
- D) Chickens

**Options :**

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

**Question Number : 9 Question Id : 630680270607 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

Statements regarding the management of different age groups of animals with their accuracy:

Statement 1: Housing and handling requirements for zoo/wild animals are the same as those for lab animals.

Statement 2: Ageing animals can be determined accurately based on their physical appearance and behaviour.

**Options :**

- 1. ✗ Statement 1 is correct, Statement 2 is incorrect.
- 2. ✗ Statement 1 is incorrect, Statement 2 is correct.
- 3. ✗ Both Statement 1 and Statement 2 are correct.
- 4. ✓ Both Statement 1 and Statement 2 are incorrect.

**Question Number : 10 Question Id : 630680270608 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 an economic project proposal for housing and maintenance of livestock, poultry, and lab animals:

Statement 1: The project proposal should include detailed cost estimates for constructing suitable housing facilities.

Statement 2: Lab animals require the same type of housing as livestock and poultry.

Statement 3: The proposal should outline the specific maintenance and care requirements for each species

**Options :**

- 1. ✗ Statement 1 and Statement 2 are correct.
- 2. ✓ Statement 1 and Statement 3 are correct.
- 3. ✗ Statement 2 and Statement 3 are correct.
- 4. ✗ All 1, 2 and 3 statements are correct.

**Question Number : 11 Question Id : 630680270609 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 routine farm practices of livestock and commercial poultry in chronological order:

- A) brooding
- B) breeding and hatching
- C) rearing
- D) harvesting and processing

**Options :**

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

**Question Number : 12 Question Id : 630680270610 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 breeding methods involves the crossing of genetically distinct breeds to combine desirable traits?

**Options :**

- 1. ✗ inbreeding
- 2. ✗ outbreeding

3. ✓ hybridization  
4. ✗ out crossing

**Question Number : 13 Question Id : 630680270611 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 quality maintenance of livestock by-products is true?

Statement 1: Proper storage and handling practices are essential for maintaining the quality of livestock by-products.

Statement 2: All livestock by-products have a similar shelf life and storage requirements.

**Options :**

1. ✓ Only statement 1 is true  
2. ✗ Only statement 2 is true  
3. ✗ Both statements 1 and 2 are true  
4. ✗ Neither statement 1 nor statement 2 is true

**Question Number : 14 Question Id : 630680270612 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 fodder production and management for livestock?

**Options :**

1. ✗ Ensuring a high moisture content in the fodder.  
2. ✗ Using only a single type of fodder throughout the year.  
3. ✓ Providing adequate sunlight exposure to the fodder crops.  
4. ✗ Ignoring the nutritional requirements of the livestock

**Question Number : 15 Question Id : 630680270613 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 aspects of livestock management with their corresponding descriptions:

Aspect	Description
1. Maintenance of labour	A) Keeping track of income and expenses on the farm
2. Accounts	B) Ensuring proper staffing and labour management
3. Farm records	C) Recording important information about the farm operations

**Options :**

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

**Question Number : 16 Question Id : 630680270614 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 defines the term "Digestibility" in animal nutrition?

**Options :**

1. ✗ The ability of an animal to consume adequate nutrients for its growth and maintenance  
2. ✗ The process by which food is broken down into smaller particles in the digestive system  
3. ✓ The proportion of ingested nutrients that can be absorbed and utilized by the animal's body  
4. ✗ The elimination of undigested waste materials from the animal's body.

**Question Number : 17 Question Id : 630680270615 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 role of nutrition in livestock health and production?

**Options :**

1. ✗ Nutrition plays a minor role in overall livestock health and production.  
2. ✓ Nutrition is essential for maintaining optimal health and maximizing production in livestock.  
3. ✗ Livestock can thrive and achieve maximum production without proper nutrition.

4. ✖ There is no impact of nutrition on livestock health and production.

**Question Number : 18 Question Id : 630680270616 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 or fodder classification with its corresponding description.

1. Concentrate feed	A. Feedstuffs high in fibre content, such as hay and straw.
2. Roughage feed	B. Feedstuffs derived from processing other agricultural products, such as oilseed meals and distillers' grains.
3. Forage feed	C. Feedstuffs rich in nutrients and energy, typically low in fibre, such as grains and oilseeds.
4. By-product feed	D. Feedstuffs consisting of fresh or dried grasses, legumes, and other herbaceous plants.

**Options :**

1. ✖ 1-D, 2-A, 3-C, 4-B

2. ✖ 1-A, 2-D, 3-B, 4-C

3. ✔ 1-C, 2-D, 3-A, 4-B

4. ✖ 1-B, 2-A, 3-C, 4-D

**Question Number : 19 Question Id : 630680270617 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

Antinutritional factors or toxins with their corresponding effects on animal health:

1. Aflatoxin	A. Impairs mineral absorption in the digestive system.
2. Oxalates	B. Causes kidney damage and urinary calculi formation.
3. Tannins	C. Inhibits protein digestion and reduces feed intake.
4. Phytates	D. Leads to liver damage and immune system suppression

**Options :**

1. ✔ 1-D, 2-B, 3-C, 4-A

2. ✖ 1-A, 2-D, 3-C, 4-B

3. ✖ 1-B, 2-A, 3-C, 4-D

4. ✖ 1-C, 2-B, 3-D, 4-A

**Question Number : 20 Question Id : 630680270618 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 feeding standards and nutrient requirements of livestock?

**Options :**

1. ✖ Feeding standards and nutrient requirements are the same for all categories of livestock.

2. ✔ Nutrient requirements vary depending on the species, age, weight, and production stage of the animal.

3. ✖ Feeding standards and nutrient requirements are fixed and do not change over time.

4. ✖ Nutrient requirements of livestock are solely based on their body size.

**Question Number : 21 Question Id : 630680270619 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 macro mineral requirements for Lactating Cows in decreasing order of quantity required in percentage.

A) Calcium, %

B) Sodium, %

C) Potassium, %

**Options :**

1. ✖ A > B > C

2. ✖ B > C > A

3. ✓  $C > A > B$   
4. ✗  $C > B > A$

**Question Number : 22 Question Id : 630680270620 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 feed supplements and additives is/are correct?

Statement 1: Probiotics are beneficial microorganisms that promote healthy gut flora and improve digestion.

Statement 2: NSAIDS and anti fungals are commonly used as feed additives to enhance the physical growth in livestock.

**Options :**

1. ✓ Only Statement 1 is correct  
2. ✗ Only Statement 2 is correct  
3. ✗ Both Statement 1 and Statement 2 are correct  
4. ✗ Neither Statement 1 nor Statement 2 is correct

**Question Number : 23 Question Id : 630680270621 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 method for the conservation and preservation of feeds and fodders?

1. Silage making  
2. Hay drying  
3. Grinding and pelleting

**Options :**

1. ✗ Only 1 and 2  
2. ✗ Only 1 and 3  
3. ✗ Only 2 and 3  
4. ✓ All 1, 2 and 3

**Question Number : 24 Question Id : 630680270622 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 economic utilization of agro by-products for feeding livestock is true?

Statement 1: Agro by-products can be used as cost-effective alternatives to conventional feeds for livestock.

Statement 2: Agro by-products may contain anti-nutritional factors that can adversely affect livestock health and performance.

**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 : 25 Question Id : 630680270623 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 utilization of unconventional feeds in animal nutrition is true?

**Options :**

1. ✗ Unconventional feeds are always more nutritious and more delicious compared to conventional feeds.  
2. ✗ Unconventional feeds cannot be effectively utilized in animal diets.  
3. ✓ Unconventional feeds can be valuable sources of nutrients for livestock.  
4. ✗ Unconventional feeds have no impact on animal health and performance.

**Question Number : 26 Question Id : 630680270624 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 true regarding the important breeds of farm animals?

**Options :**

1. ✗ Important breeds are limited to cattle and poultry only.  
2. ✗ Economic traits are not considered when selecting important breeds.  
3. ✓ Important breeds encompass cattle, buffalo, sheep, goat, pig, dog, horse, and poultry.  
4. ✗ Important breeds do not vary in terms of their economic significance.

**Question Number : 27 Question Id : 630680270625 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 animals is NOT considered an important species in the field of animal breeding and genetics?

**Options :**

1. ✖ Cattle
2. ✖ Buffalo
3. ✖ Sheep
4. ✔ Cat

**Question Number : 28 Question Id : 630680270626 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 subtopics is focused in Animal Breeding and Genetics?

**Options :**

1. ✖ Breeding of important species of zoo/wild animals
2. ✔ Breeding of domesticated farm animals
3. ✖ Breeding of aquatic animals
4. ✖ Breeding of insects

**Question Number : 29 Question Id : 630680270627 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 subtopic of "Breeding livestock for high performance and disease resistance" in Animal Breeding and Genetics:

Statement 1: The breeding of livestock aims to improve their performance traits, such as growth rate and milk production.

Statement 2: Disease resistance is an important breeding objective to reduce the impact of diseases on livestock health and productivity.

**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 : 30 Question Id : 630680270628 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 breeding of livestock for high performance and disease resistance:

Statement 1: Breeding for high performance involves selecting animals with superior genetic traits for growth, productivity, and efficiency.

Statement 2: Breeding for disease resistance focuses on selecting animals that exhibit natural resistance or tolerance to common diseases.

**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 : 31 Question Id : 630680270629 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 about the principles of genetics?

**Options :**

1. ✖ Genes are made up of protein
2. ✖ Genetic variation is not influenced by mutations
3. ✖ Inheritance of traits is random and independent of genetics.
4. ✔ Genes determine the physical and genetic traits of an organism

**Question Number : 32 Question Id : 630680270630 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/are correct regarding the nature of DNA and RNA?

Statement 1: DNA is a double-stranded molecule, while RNA is a single-stranded molecule.

Statement 2: DNA carries genetic information, while RNA is involved in protein synthesis

**Options :**

1. ✖ Statement 1 is correct, and statement 2 is incorrect.
2. ✖ Statement 1 is incorrect, and statement 2 is correct.

3. ✓ Both statement 1 and statement 2 are correct.
4. ✗ Both statement 1 and statement 2 are incorrect.

**Question Number : 33 Question Id : 630680270631 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 applications of animal breeding and genetics with their corresponding descriptions:

Application	Description
1.Recombinant DNA technology	A. Replication of an exact copy of a gene or DNA fragment
2.Cloning	B. Manipulation of DNA molecules to create new combinations
3.Gene actions	C. Study of the structure and function of chromosomes
4.Cytogenetics	D. Production of genetically identical copies of an organism

**Options :**

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

**Question Number : 34 Question Id : 630680270632 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 types of mating with their corresponding descriptions:

Types of Mating	Description
1.Inbreeding	A. Mating of unrelated individuals from the same breed or population
2.Outbreeding	B. Mating of individuals closely related within the same breed or population
3.Crossbreeding	C. Mating of individuals from different breeds or populations
4.Linebreeding	D. Mating of individuals within the same line or family

**Options :**

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

**Question Number : 35 Question Id : 630680270633 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 animal breeding policies and programs in chronological order:

Options:

- a) Integrated Cattle Development Project
- b) National Dairy Plan-I
- c) National Livestock Mission
- d) Rashtriya Gokul Mission

**Options :**

1. ✗ a < d < c < b
2. ✗ d < b < c < a
3. ✓ a < b < c < d
4. ✗ a < d < b < c

**Question Number : 36 Question Id : 630680270634 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 subtopic "Gross study of bones, joints, muscles of skeleton" in Veterinary Anatomy, Physiology, and Biochemistry is/are correct?

Statement 1: This subtopic involves the examination of the structure and function of bones, joints, and muscles in animals.

Statement 2: The gross study of the skeleton helps in understanding the locomotion and movement capabilities of animals.

**Options :**

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

**Question Number : 37 Question Id : 630680270635 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 subtopic "Gross study of organs of digestive, respiratory, circulatory, urinary, nervous, and reproductive systems" in Veterinary Anatomy, Physiology, and Biochemistry is/are correct?

Statement 1: This subtopic involves the examination of the external and internal structures of organs in the digestive, respiratory, circulatory, urinary, nervous, and reproductive systems in animals.

Statement 2: The gross study of these organs helps in understanding their functions and interrelationships within the body.

**Options :**

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

**Question Number : 38 Question Id : 630680270636 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 mechanism of respiration in veterinary anatomy, physiology, and biochemistry?

**Options :**

1. ✔ Respiration is the process of oxygen intake and carbon dioxide release in animals
2. ✖ Respiration is the process of food digestion and nutrient absorption in animals.
3. ✖ Respiration is the process of blood circulation and oxygen transport in animals.
4. ✖ Respiration is the process of urine formation and waste elimination in animals

**Question Number : 39 Question Id : 630680270637 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 blood components plays a crucial role in the immune response by producing antibodies?

**Options :**

1. ✖ Red blood cells (erythrocytes)
2. ✔ White blood cells (leukocytes)
3. ✖ Platelets (thrombocytes)
4. ✖ Plasma

**Question Number : 40 Question Id : 630680270638 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 the general functions of blood and its constituents (blood cells, plasma & serum, and coagulation) in veterinary anatomy, physiology, and biochemistry is/are correct?

Statement 1: Blood cells are responsible for the transportation of oxygen and nutrients to the body tissues.

Statement 2: Coagulation is the process by which blood cells are formed in the bone marrow.

**Options :**

1. ✖ Both statements are correct
2. ✔ Statement 1 is correct, but statement 2 is incorrect.
3. ✖ Statement 1 is incorrect, but statement 2 is correct.
4. ✖ Both statements are incorrect

**Question Number : 41 Question Id : 630680270639 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 systems in animals in increasing order based on their role in maintaining homeostasis:

A) Cardiovascular system

- B) Respiratory system  
C) Nervous system  
D) Muscular system

**Options :**

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

**Question Number : 42 Question Id : 630680270640 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 in the chronological order of hormonal control of lactogenesis in animals:

- A) Prolactin release from the anterior pituitary gland  
B) Initiation of milk synthesis in mammary glands  
C) Birth of offspring  
D) Decrease in progesterone levels

**Options :**

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

**Question Number : 43 Question Id : 630680270641 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 impact of environmental stress on animal performance?

**Options :**

1. ✗ Environmental stress has no significant effect on animal performance.
2. ✗ Environmental stress can enhance animal performance
3. ✓ Environmental stress can impair animal performance
4. ✗ Environmental stress has a balanced effect on animal performance.

**Question Number : 44 Question Id : 630680270642 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 greenhouse gases with their primary production source in ruminant animals:

1.Methane (CH <sub>4</sub> )	a) Enteric fermentation in the rumen
2.Nitrous oxide (N <sub>2</sub> O)	b) Animal manure management
3.Carbon dioxide (CO <sub>2</sub> )	c) Respiration

**Options :**

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

**Question Number : 45 Question Id : 630680270643 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 nutrient is primarily broken down by the process of digestion in simple stomach animals and ruminants?

**Options :**

1. ✗ Carbohydrates
2. ✓ Proteins
3. ✗ Fats
4. ✗ Other

**Question Number : 46 Question Id : 630680270644 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

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

Which of the following diseases primarily affects the respiratory system in livestock?

**Options :**

1. ✖ Salmonellosis
2. ✖ Foot-and-mouth disease
3. ✔ Pneumonia
4. ✖ Rabies

**Question Number : 47 Question Id : 630680270645 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:

1.Pathogen	a. Protective response mounted by the immune system
2.Antigen	b. Microorganism or agent that causes disease
3.Antibody	c. Molecule that triggers an immune response
4.Immune response	d. Protein produced by the immune system to neutralize pathogens

**Options :**

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

**Question Number : 48 Question Id : 630680270646 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 terms related to immunity and diagnostic techniques with their corresponding descriptions:

Term	Description
1.Innate immunity	a. Immune response acquired through natural exposure to a pathogen
2.Adaptive immunity	b. Immune response that is present at birth and provides immediate protection
3.Active immunity	c. Immune response triggered by vaccination or immunization
4.Passive immunity	d. Immune response that is specific to a particular pathogen

**Options :**

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

**Question Number : 49 Question Id : 630680270647 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 terms related to vaccine production, types of vaccines, storage, and administration with their corresponding descriptions:

Term	Description
1. Attenuated vaccine	a. Vaccines made from inactivated or killed pathogens
2. Live vaccine	b. Vaccines made from weakened or attenuated pathogens
3. Inactivated vaccine	c. Vaccines that contain only specific components of the pathogen
4. Subunit vaccine	d. Vaccines that use a non-pathogenic component of the pathogen

Options :

1. ☒ 1-b, 2-a, 3-c, 4-d
2. ☒ 1-d, 2-b, 3-a, 4-c
3. ☒ 1-a, 2-c, 3-b, 4-d
4. ☒ 1-c, 2-a, 3-d, 4-b

Question Number : 50 Question Id : 630680270648 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 concept of disease in animals?

Options :

1. ☒ Disease refers to the inability of an animal to perform its natural functions.
2. ☒ Disease is an abnormal condition that negatively affects the structure or function of an animal's body.
3. ☒ Disease is caused only by bacterial infections.
4. ☒ Disease is a natural process that all animals experience.

Question Number : 51 Question Id : 630680270649 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 processes and procedures related to the collection and investigation of morbid materials for laboratory diagnosis and disease investigation?

Statement 1: Collection and preservation of morbid materials are essential for accurate laboratory diagnosis of diseases in animals.

Statement 2: Writing a post-mortem report is necessary for documenting findings and communicating the results of a necropsy.

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

Statement 4: Veterolegal cases involve the investigation of diseases with potential legal implications

Options :

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

Question Number : 52 Question Id : 630680270650 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 are examples of pathological conditions that can affect livestock, poultry, and zoo/wild animals?

Options :

1. ☒ Bacterial, viral, and fungal diseases
2. ☒ Neoplasms and nutritional deficiencies
3. ☒ Allergic and autoimmune diseases
4. ☒ All of the given option

Question Number : 53 Question Id : 630680270651 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 diseases of livestock in chronological order of their emergence/re-emergence:

A) Foot-and-mouth disease (FMD)

B) Avian influenza (AI)

C) African swine fever (ASF)

D) Bovine spongiform encephalopathy (BSE)

Options :

1. ☒ A, B, C, D
2. ☐ D, A, B, C
3. ☐ B, C, D, A
4. ☐ D, C, A, B

**Question Number : 54 Question Id : 630680270652 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 parasitic disease affecting livestock and poultry?

**Options :**

1. ☐ Bovine respiratory syncytial virus
2. ☐ Avian influenza
3. ☒ Coccidiosis
4. ☐ Equine influenza

**Question Number : 55 Question Id : 630680270653 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 parasites affects livestock and poultry by infesting their gastrointestinal tract?

**Options :**

1. ☐ Fleas
2. ☐ Ticks
3. ☒ Tapeworms
4. ☐ Mosquitoes

**Question Number : 56 Question Id : 630680270654 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 parasites is responsible for bloody or mucoid diarrhoea in livestock and poultry?

**Options :**

1. ☐ Fleas
2. ☐ Ticks
3. ☒ Coccidia
4. ☐ Roundworms

**Question Number : 57 Question Id : 630680270655 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 adverse drug reaction on the cardiovascular system in animals?

**Options :**

1. ☐ Increased appetite
2. ☐ Increased urine production
3. ☒ Cardiac arrhythmia
4. ☐ Enhanced wound healing

**Question Number : 58 Question Id : 630680270656 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 veterinary toxicology and pharmacokinetics?

Statement 1: Toxicology is the study of the adverse effects of chemical substances on living organisms, including animals.

Statement 2: Pharmacokinetics is the study of the absorption, distribution, metabolism, and elimination of drugs within an organism.

Statement 3: The absorption phase of pharmacokinetics refers to the process by which a drug enters the bloodstream from its site of administration.

Statement 4: Distribution in pharmacokinetics refers to the movement of a drug throughout the body

**Options :**

1. ☐ Statements 1, 2, and 3 are true
2. ☐ Statements 1, 3, and 4 are true
3. ☐ Statements 2, 3, and 4 are true
4. ☒ All 4 statements are true

**Question Number : 59 Question Id : 630680270657 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 dose, routes of administration, absorption, distribution, biotransformation, and excretion of drugs in veterinary medicine are correct?

Statement 1: The route of administration means how the drug is introduced into the animal's body.

Statement 2: Absorption is the process by which a drug enters the bloodstream and becomes available for action.

**Options :**

1. ☒ Both statements 1 and 2 are correct.
2. ☐ Statement 1 is correct, but statement 2 is incorrect.
3. ☐ Statement 2 is correct, but statement 1 is incorrect.
4. ☐ Neither statement 1 nor statement 2 is correct.

**Question Number : 60 Question Id : 630680270658 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 step in the diagnosis and treatment of toxicity/poisoning in veterinary medicine?

**Options :**

1. ☒ Identifying the causative agent and assessing clinical signs and symptoms
2. ☐ Administering supportive care and monitoring vital signs
3. ☐ Conducting specialized diagnostic tests
4. ☐ Providing nonspecific antidotes or therapies

**Question Number : 61 Question Id : 630680270659 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 describes the mode of action of local anaesthetics in veterinary medicine?

**Options :**

1. ☒ Inhibition of nerve impulse conduction by blocking sodium channels
2. ☐ Enhancement of gamma-aminobutyric acid (GABA) activity in the brain
3. ☐ Depletion of neurotransmitters serotonin and noradrenaline
4. ☐ Inhibition of the synthesis of prostaglandins and leukotrienes

**Question Number : 62 Question Id : 630680270660 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 commonly used broad-spectrum antibiotic in veterinary medicine?

**Options :**

1. ☐ ketamine
2. ☒ Tetracycline
3. ☐ Ibuprofen
4. ☐ Acetaminophen

**Question Number : 63 Question Id : 630680270661 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 method used for environmental hygiene in veterinary practice?

**Options :**

1. ☐ Vaccination
2. ☐ Quarantine
3. ☐ Deworming
4. ☒ Sterilization

**Question Number : 64 Question Id : 630680270662 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 a veterinarian in public health?

**Options :**

1. ☐ Conducting research on public
2. ☐ Providing medical care to domestic animals
3. ☒ Ensuring food safety and quality
4. ☐ Managing wildlife populations



**Question Number : 65 Question Id : 630680270663 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 zoonotic disease?

**Options :**

1. ✖ Foot-and-mouth disease
2. ✔ Bovine tuberculosis
3. ✖ swine fever
4. ✖ Mastitis

**Question Number : 66 Question Id : 630680270664 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 zoonotic diseases is/are correct?

Statement 1: Zoonotic diseases are caused only by viruses.

Statement 2: Zoonotic diseases can be transmitted between animals and humans.

**Options :**

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

**Question Number : 67 Question Id : 630680270665 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 livestock products and by-products in relation to public health?

Statement 1: Consumption of raw or undercooked meat can pose a risk of foodborne diseases.

Statement 2: Milk from healthy animals is a safe and nutritious source of nutrients.

Statement 3: Handling and disposal of animal waste should be done properly to prevent environmental contamination.

Statement 4: By-products of livestock, such as hides and bones, have no public health implications

**Options :**

1. ✔ Statements 1, 2, and 3 are true, while statement 4 is false
2. ✖ Statements 1, 2, and 4 are true, while statement 3 is false
3. ✖ Statements 1, 3, and 4 are true, while statement 2 is false
4. ✖ Statements 2, 3, and 4 are true, while statement 1 is false

**Question Number : 68 Question Id : 630680270666 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 livestock products and by-products in relation to public health?

**Options :**

1. ✖ Consumption of raw or undercooked meat is completely safe for human consumption.
2. ✖ Milk from diseased animals is always safe and free from pathogens.
3. ✖ Proper handling and processing of animal waste are not necessary for public health
4. ✔ By-products of livestock can carry pathogens and pose risks if not handled properly

**Question Number : 69 Question Id : 630680270667 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/are correct regarding the socioeconomic impact of zoonotic diseases in India?

Statement 1: Zoonotic diseases have no significant socioeconomic impact in India.

Statement 2: Zoonotic diseases can lead to economic losses, reduced productivity, and increased healthcare expenses in India.

**Options :**

1. ✖ Only statement 1 is correct
2. ✔ Only statement 2 is correct
3. ✖ Both statements 1 and 2 are correct.
4. ✖ Both statements 1 and 2 are incorrect.

**Question Number : 70 Question Id : 630680270668 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 the economic impact of zoonotic diseases in India in chronological order:

Event 1: Outbreak of a zoonotic disease leads to increased healthcare expenses.

Event 2: Trade restrictions are imposed due to the presence of zoonotic diseases in livestock.

Event 3: Farmers experience economic losses due to reduced productivity and livestock deaths.

Event 4: Government launches public health campaigns to raise awareness about zoonotic diseases.

**Options :**

1. ✖ Event 1 - Event 2 - Event 3 - Event 4
2. ✖ Event 2 - Event 3 - Event 1 - Event 4
3. ✖ Event 3 - Event 2 - Event 1 - Event 4
4. ✔ Event 2 - Event 3 - Event 4 - Event 1

**Question Number : 71 Question Id : 630680270669 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 method for controlling environmental pollutants in veterinary epidemiology and public health?

1. Implementing strict regulations on industrial waste disposal
2. Promoting sustainable farming practices
3. Encouraging proper waste management in livestock operations

**Options :**

1. ✖ Only 1 and 2
2. ✖ Only 2 and 3
3. ✖ Only 1 and 3
4. ✔ All 1, 2 and 3

**Question Number : 72 Question Id : 630680270670 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 environmental pollutants with their potential health effects:

1. Heavy metals	a) Respiratory problems and lung damage
2. Pesticides	b) Neurological disorders
3. Air pollutants	c) Contamination of food chain
4. Water pollutants	d) Kidney damage and cancer

**Options :**

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

**Question Number : 73 Question Id : 630680270671 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 primary purpose of establishing Animal Healthcare Centres?

**Options :**

1. ✖ To provide healthcare services exclusively for wildlife animals
2. ✖ To promote research and development in veterinary medicine
3. ✔ To ensure the health and welfare of livestock and domestic animals
4. ✖ To implement vaccination programs for pet animals

**Question Number : 74 Question Id : 630680270672 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 are caused by a bacterial pathogen?

**Options :**

1. ✖ Avian influenza
2. ✖ Newcastle disease
3. ✔ Fowl cholera
4. ✖ Infectious bursal disease

**Question Number : 75 Question Id : 630680270673 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 is caused by a fungal pathogen?

**Options :**

1. ✖ Foot-and-mouth disease
2. ✖ Anthrax
3. ✖ Coccidiosis
4. ✔ Ringworm

**Question Number : 76 Question Id : 630680270674 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

Livestock and poultry diseases with their respective causative agents:

A) Foot-and-mouth disease	1.Mycobacterium avium subsp. paratuberculosis
B) Avian influenza	2.Foot-and-mouth disease virus
C) Johne's disease	3.Influenza A virus
D) Bovine tuberculosis	4.Mycobacterium bovis

**Options :**

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

**Question Number : 77 Question Id : 630680270675 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

Pair the livestock and poultry diseases with their respective diagnostic methods.

A) Salmonellosis	1. PCR testing
B) Marek's disease	2. Fecal examination
C) Newcastle disease	3. Skin scraping and fungal culture
D) Dermatophytosis	4. ELISA

**Options :**

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

**Question Number : 78 Question Id : 630680270676 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 and poultry diseases with their respective causative agents:

A) Foot-and-mouth disease	1.Fungus
B) Coli basillois	2.Virus
C) Coccidiosis	3.Bacteria
D) Ringworm	4.Protozoan

**Options :**

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

**Question Number : 79 Question Id : 630680270677 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 and poultry diseases with their appropriate modes of transmission:

A) Salmonellosis	1.Direct contact
B) Newcastle disease	2.Fecal-oral route
C) Eimeria infection	3.Vector-borne
D) Ringworm	4.Inhalation of spores

**Options :**

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

**Question Number : 80 Question Id : 630680270678 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 disease origins in livestock and poultry in decreasing order based on their potential impact on animal health:

- A) Viral origin
- B) Bacterial origin
- C) Parasitic origin
- D) Fungal origin

**Options :**

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

**Question Number : 81 Question Id : 630680270679 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 is caused by a bacterial pathogen and commonly affects poultry?

**Options :**

1. ✗ Avian influenza
2. ✗ Marek's disease
3. ✓ Salmonellosis
4. ✗ Infectious bursal disease

**Question Number : 82 Question Id : 630680270680 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: Ketosis is a metabolic disorder commonly observed in dairy cattle.

Statement 2: Rickets is a deficiency disorder caused by a lack of vitamin D in poultry

**Options :**

1. ✓ Both statements 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 are false

**Question Number : 83 Question Id : 630680270681 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 metabolic and deficiency disorders in livestock and poultry?

Statement 1: Hypocalcemia is a metabolic disorder characterized by low blood calcium levels commonly observed in dairy cows during the transition period.

Statement 2: Vitamin E deficiency can lead to white muscle disease, a condition that affects the skeletal and cardiac muscles of young animals.

Statement 3: Grass tetany is a metabolic disorder caused by magnesium deficiency in ruminants and is characterized by muscle spasms and convulsions.

Statement 4: Iron deficiency anaemia is a common deficiency disorder in poultry, resulting in pale comb and wattles.

**Options :**

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

**Question Number : 84 Question Id : 630680270682 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 poultry?

**Options :**

1. ✖ IBD
2. ✖ Grass tetany
3. ✔ Hypocalcemia
4. ✖ Ketosis

**Question Number : 85 Question Id : 630680270683 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 cattle?

**Options :**

1. ✖ Bovine spongiform encephalopathy (BSE)
2. ✖ Newcastle disease
3. ✔ Rickets
4. ✖ Foot-and-mouth disease (FMD)

**Question Number : 86 Question Id : 630680270684 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 poultry?

**Options :**

1. ✖ Mastitis
2. ✖ Coccidiosis
3. ✖ Avian influenza
4. ✔ Fatty liver syndrome

**Question Number : 87 Question Id : 630680270685 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 alternate/integrated/ethno veterinary medicine is/are correct?

Statement 1: Alternate veterinary medicine refers to the use of traditional remedies and practices for treating animal diseases.

Statement 2: Ethno veterinary medicine is solely based on scientific evidence and does not involve traditional knowledge or practices.

**Options :**

1. ✔ Only statement 1 is correct
2. ✖ Only statement 2 is correct
3. ✖ Both statements 1 and 2 are correct
4. ✖ Neither statement 1 nor statement 2 is correct

**Question Number : 88 Question Id : 630680270686 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 primary characteristic of alternate/integrated/ethno veterinary medicine?

**Options :**

1. ✖ Reliance on modern pharmaceuticals and synthetic treatments
2. ✖ Exclusive use of traditional herbal remedies and natural therapies
3. ✔ Combination of traditional knowledge with modern veterinary practices
4. ✖ Limited scope and applicability in veterinary medicine

**Question Number : 89 Question Id : 630680270687 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:

Organizations:	Roles:
1.SPCA (Society for the Prevention of Cruelty to Animals)	a. Enforcing animal welfare laws and regulations
2.Animal Welfare Board of India	b. Promoting and advocating for animal rights and welfare
3.NGOs (Non-Governmental Organizations)	c. Providing shelter, care, and rescue services for animals in need

**Options :**

1. ✔ 1-b, 2-a, 3-c
2. ✖ 1-c, 2-a, 3-b
3. ✖ 1-a, 2-b, 3-c
4. ✖ 1-c, 2-b, 3-a

**Question Number : 90 Question Id : 630680270688 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 organization is primarily responsible for the welfare and protection of animals in India?

**Options :**

1. ✖ Society for the Prevention of Cruelty to Animals (SPCA)
2. ✔ Animal Welfare Board of India
3. ✖ Non-Governmental Organizations (NGOs)
4. ✖ Veterinary Council of India

**Question Number : 91 Question Id : 630680270689 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. Indian Penal Code
- b. Prevention of Cruelty to Animals Act.
- c. Wildlife Protection Act.
- d. Food Safety and Standards Act.

**Options :**

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

**Question Number : 92 Question Id : 630680270690 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 laws is specifically related to offences affecting public health in veterinary medicine?

**Options :**

1. ✖ Indian Penal Code
2. ✖ Prevention of Cruelty to Animals Act
3. ✖ Wildlife Protection Act
4. ✔ Food Safety and Standards Act



**Question Number : 93 Question Id : 630680270691 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 responsible for the production and secretion of seminal fluid in male animals?

**Options :**

1. ✘ Epididymis
2. ✘ Vas deferens
3. ✔ Prostate gland
4. ✘ Pituitary gland

**Question Number : 94 Question Id : 630680270692 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 male reproductive structures is responsible for the production and secretion of testosterone?

**Options :**

1. ✘ Epididymis
2. ✘ Prostate gland
3. ✘ Uterus
4. ✔ Leydig cells

**Question Number : 95 Question Id : 630680270693 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 reproductive structures in animals in increasing order based on their position within the female reproductive tract, from the entry point to the deepest:

- A) Vagina
- B) Cervix
- C) Uterus
- D) Oviduct

**Options :**

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

**Question Number : 96 Question Id : 630680270694 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

Pair the following stages of the oestrus cycle in animals with their corresponding hormonal changes:

Stages:	Hormonal Changes:
1.Proestrus	a. High progesterone levels
2.Oestrus	b. High estrogen levels
3.Metestrus	c. Declining hormone levels
4.Diestrus	d. Surge in luteinizing hormone (LH)

**Options :**

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

**Question Number : 97 Question Id : 630680270695 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

Pair the following terms related to puberty and the oestrus cycle in veterinary gynaecology and obstetrics:

Terms:	Definitions:
1.Puberty	a. The period of sexual maturation and development in animals
2.Proestrus	b. The stage before oestrus when the female is not receptive to mating
3.Oestrus	c. The stage of sexual receptivity and mating behaviour
4.Metestrus	d. The stage following oestrus characterized by the formation of the corpus luteum

Options :

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

Question Number : 98 Question Id : 630680270696 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

At what age does puberty typically occur in female native breed of cattle?

Options :

1. ✗ 6-8 months
2. ✗ 8-10 months
3. ✗ 10-12 months
4. ✓ 16-20 months

Question Number : 99 Question Id : 630680270697 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 reproductive physiology and hormones of reproduction in animals?

Statement 1: Follicle-stimulating hormone (FSH) is responsible for the growth and development of ovarian follicles.

Statement 2: Luteinizing hormone (LH) triggers ovulation and formation of the corpus luteum.

Statement 3: Progesterone is essential for the maintenance of pregnancy.

Statement 4: Gonadotropin-releasing hormone (GnRH) is produced by the hypothalamus and regulates the release of FSH and LH.

Options :

1. ✗ Statement 1 and 2 only.
2. ✗ Statement 1 and 3 only.
3. ✗ Statement 2 and 4 only.
4. ✓ Statement 1, 2, 3, and 4.

Question Number : 100 Question Id : 630680270698 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 growth and development of ovarian follicles in animals?

Options :

1. ✗ Luteinizing hormone (LH)
2. ✓ Follicle-stimulating hormone (FSH)
3. ✗ Cortisol
4. ✗ Testosterone

Question Number : 101 Question Id : 630680270699 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 management of reproductive disorders in animals is/are correct?

Statement 1: Hormonal therapy can be used to induce estrus in animals with anestrus.

Statement 2: Caesarean section is a common procedure performed to resolve dystocia in animals.

Statement 3: Intrauterine insemination (IUI) is a reproductive technique used to overcome fertility issues in male animals.

Statement 4: Embryo transfer is a method used to increase the genetic potential of animals through the transfer of unfertilized embryos

Options :

1. ✓ Statement 1 and Statement 2 only
2. ✗ Statement 1 and Statement 3 only

3. ✖ Statement 2 and Statement 4 only  
 4. ✖ Statement 3 and Statement 4 only

**Question Number : 102 Question Id : 630680270700 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 in animals with their corresponding descriptions:

A) Pyometra	1.Inflammation of the uterus leading to the accumulation of pus
B) Dystocia	2.Difficult or obstructed labour during parturition
C) Metritis	3.Inflammation of the uterus following parturition or abortion
D) Orchitis	4.Inflammation of the testicles

**Options :**

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

**Question Number : 103 Question Id : 630680270701 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 does multiple ovulation and embryo transfer technology involve?

1. Ovulation
2. Transfer
3. Surgery

**Options :**

1. ✖ Only 1 and 2  
 2. ✖ Only 1 and 3  
 3. ✖ Only 2 and 3  
 4. ✔ All 1, 2 and 3

**Question Number : 104 Question Id : 630680270702 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 purpose of multiple ovulation and embryo transfer technology in livestock and zoo animals?

**Options :**

1. ✔ To increase reproductive efficiency  
 2. ✖ To prevent genetic diseases  
 3. ✖ To control population growth  
 4. ✖ To improve meat quality

**Question Number : 105 Question Id : 630680270703 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 multiple ovulation and embryo transfer technology in livestock and zoo animals:

- 1.Inducing multiple ovulations in the donor female.
- 2.Collecting the resulting embryos.
- 3.Transferring the embryos to recipient animals.
- 4.Gestation of the transferred embryos.

**Options :**

1. ✔ 1-2-3-4  
 2. ✖ 1-3-2-4  
 3. ✖ 2-1-4-3  
 4. ✖ 2-3-4-1

**Question Number : 106 Question Id : 630680270704 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 veterinary obstetrics in case of dog?

**Options :**

1. ☒ Ultrasonography
2. ☐ Blood hormone analysis
3. ☐ Rectal palpation
4. ☐ Physical observation

**Question Number : 107 Question Id : 630680270705 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 complication during veterinary obstetrics?

**Options :**

1. ☒ Dystocia
2. ☐ Anestrus
3. ☐ Metritis
4. ☐ Orchitis

**Question Number : 108 Question Id : 630680270706 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 pregnancy diagnosis methods with their corresponding description:

A) Ultrasonography	1.Non-invasive method of detecting pregnancy by observing the movement of the fetus
B) Rectal palpation	2.Manual examination of the reproductive tract through the rectum to detect changes in the uterus or fetus
C) Hormone assay	3.Use of ultrasound waves to visualize the reproductive tract and confirm pregnancy
D) Fetal movement palpation	4.Measurement of hormone levels in the blood or urine to determine pregnancy status

**Options :**

1. ☒ A-3, B-2, C-4, D-1
2. ☐ A-2, B-3, C-1, D-4
3. ☐ A-4, B-1, C-3, D-2
4. ☐ A-1, B-4, C-2, D-3

**Question Number : 109 Question Id : 630680270707 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 characteristic of high-quality semen in animals?

**Options :**

1. ☐ Low sperm motility
2. ☒ High sperm concentration
3. ☐ Abnormal sperm morphology
4. ☐ Low sperm viability

**Question Number : 110 Question Id : 630680270708 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 commonly used cryoprotectant for preserving semen during cryopreservation in animals?

**Options :**

1. ☒ Glycerol
2. ☐ Ethanol
3. ☐ Saline solution
4. ☐ Distilled water

**Question Number : 111 Question Id : 630680270709 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 establishment and organization of semen production and artificial insemination centres in increasing order:

- A) Training of personnel in semen handling and artificial insemination techniques
- B) Design and construction of facilities for semen production and storage
- C) Selection of suitable breeding males
- D) Collection and evaluation of semen

**Options :**

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

**Question Number : 112 Question Id : 630680270710 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 step in the establishment and organization of semen production and artificial insemination centres?

**Options :**

- 1. ✔ Training of personnel in semen handling and artificial insemination techniques
- 2. ✖ Selection of suitable breeding females
- 3. ✖ Designing marketing strategies for semen distribution
- 4. ✖ Administration of hormonal therapies to improve semen quality

**Question Number : 113 Question Id : 630680270711 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 in general veterinary surgery?

**Options :**

- 1. ✔ Proper pre-operative planning and preparation
- 2. ✖ Use of advanced imaging techniques for diagnosis
- 3. ✖ Administration of post-operative pain relief and fluid therapy
- 4. ✖ Utilization of maximum invasive surgical procedures

**Question Number : 114 Question Id : 630680270712 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 principle of general surgical wound closure in veterinary practice?

**Options :**

- 1. ✖ Leaving the surgical wound open to heal by secondary intention
- 2. ✔ Using non-absorbable sutures for all types of wounds
- 3. ✖ Tying knots loosely to ensure tight closure
- 4. ✖ Removing sutures immediately after wound closure

**Question Number : 115 Question Id : 630680270713 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

Identify the correct statement regarding general surgical principles:

Statement 1: Aseptic technique is not necessary in veterinary surgery.

Statement 2: Hemostasis involves controlling bleeding during surgery.

**Options :**

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

**Question Number : 116 Question Id : 630680270714 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

Identify the correct statement regarding general surgical principles:

Statement 1: In veterinary surgery, it is important to make a largest incision to provide better access to the surgical site.

Statement 2: Wound closure should be performed using aseptic technique and appropriate suture materials to ensure proper healing.

**Options :**

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

**Question Number : 117 Question Id : 630680270715 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 general surgical principles:

Statement 1: Preoperative fasting is not necessary for animals undergoing surgery.

Statement 2: Sterile surgical instruments should be used for each surgical procedure.

**Options :**

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

**Question Number : 118 Question Id : 630680270716 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 essential aspect of surgical equipment and operation theatre management in veterinary surgery?

**Options :**

1. ✔ Regular cleaning and disinfection of surgical instruments
2. ✖ Using non-sterile surgical instruments to reduce costs
3. ✖ Reusing disposable surgical gowns and drapes
4. ✖ Keeping the operation theatre door open during surgery for better ventilation

**Question Number : 119 Question Id : 630680270717 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 surgical equipment and operation theatre management in veterinary surgery:

Statement 1: Proper sterilization of surgical instruments is necessary to maintain aseptic conditions.

Statement 2: Regular calibration of anaesthesia equipment ensures accurate delivery of anesthetic agents.

Statement 3: Reusing single-use surgical drapes and gowns is an acceptable practice to reduce costs.

**Options :**

1. ✔ Statement 1 and Statement 2 are correct, Statement 3 is incorrect.
2. ✖ Statement 1 and Statement 3 are correct, Statement 2 is incorrect.
3. ✖ Statement 2 and Statement 3 are correct, Statement 1 is incorrect.
4. ✖ All three statements are correct

**Question Number : 120 Question Id : 630680270718 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 sterilization methods is commonly used for heat-sensitive veterinary surgical instruments?

**Options :**

1. ✖ Autoclaving
2. ✖ Dry heat sterilization
3. ✔ Ethylene oxide sterilization
4. ✖ High pressure sterilization

**Question Number : 121 Question Id : 630680270719 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 aims to prevent the introduction of microorganisms into a surgical field during surgery?

**Options :**

1. ✔ Asepsis
2. ✖ Antisepsis
3. ✖ Sterilization
4. ✖ Disinfection



**Question Number : 122 Question Id : 630680270720 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 terms related to infection control in veterinary surgery in increasing order of effectiveness:

- A) Antisepsis
- B) Asepsis
- C) Sterilization

**Options :**

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

**Question Number : 123 Question Id : 630680270721 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 radiographic sign of osteoarthritis in animals?

**Options :**

- 1. ✗ Joint effusion
- 2. ✓ Joint sclerosis
- 3. ✗ Joint luxation
- 4. ✗ Joint hypermobility

**Question Number : 124 Question Id : 630680270722 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 diagnostic imaging modalities with their corresponding uses in veterinary medicine:

A) Radiography	1. Assessing soft tissue structures
B) Ultrasonography	2. Visualizing bone fractures and abnormalities
C) Magnetic Resonance Imaging (MRI)	3. Evaluating internal organs and abdominal conditions
D) Computed Tomography (CT)	4. Examining neurological disorders and brain lesions

**Options :**

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

**Question Number : 125 Question Id : 630680270723 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 and invasiveness:

- A) Exploratory laparotomy
- B) Skin wound closure
- C) Limb amputation
- D) Gastrotomy

**Options :**

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

**Question Number : 126 Question Id : 630680270724 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 veterinary surgical interventions with their corresponding descriptions.

A) Spay/neuter surgery	1. Surgical removal of abnormal growths or masses.
B) Tumor excision	2. Surgical procedure to sterilize male or female animals.
C) Fracture repair	3. Surgical intervention to repair broken bones.
D) Caesarean section	4. Surgical delivery of offspring through an incision in the mother's abdomen.

Options :

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

Question Number : 127 Question Id : 630680270725 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 veterinary surgical interventions in the correct chronological order:

- A) Pre-operative considerations
- B) Anaesthesia
- C) Surgical emergencies
- D) Various surgical interventions in animals
- E) Post-operative considerations

Options :

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

Question Number : 128 Question Id : 630680270726 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: Intensive care units are specialized areas in veterinary hospitals where critically ill animals receive continuous monitoring and specialized treatments.

Statement 2: Intensive care of animals primarily focuses on preventive care and routine wellness checks.

Options :

1. ✓ Statement 1 is true, Statement 2 is false.
2. ✗ Statement 1 is false, Statement 2 is true.
3. ✗ Both statements are true.
4. ✗ Both statements are false.

Question Number : 129 Question Id : 630680270727 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 primary goal of intensive care in veterinary medicine?

Options :

1. ✗ Providing routine wellness checks for animals.
2. ✗ Preventing common diseases in animals.
3. ✓ Offering specialized care for critically ill animals.
4. ✗ Conducting routine vaccinations for animals.

Question Number : 130 Question Id : 630680270728 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 therapeutic modality in veterinary medicine utilizes high-frequency electric currents to generate heat and promote tissue healing?

Options :

1. ✗ Ultrasound therapy
2. ✗ Laser therapy
3. ✓ Diathermy

**4. ✖ Hydrotherapy**

**Question Number : 131 Question Id : 630680270729 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 subtopic of Livestock Products Technology deals with the design, arrangement, and upkeep of facilities for milk, meat, and chicken processing?

**Options :**

1. ✖ Food safety and quality control
2. ✖ Product packaging and labelling
3. ✔ Layout and maintenance of processing units
4. ✖ Marketing and distribution strategies

**Question Number : 132 Question Id : 630680270730 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 subtopic of "Layout and maintenance of milk, meat & chicken processing units" in Livestock Products Technology are correct?

Statement 1: This subtopic focuses on the design and arrangement of facilities for processing milk, meat, and chicken.

Statement 2: It involves the regular upkeep and maintenance of processing units to ensure unhygienic and operational efficiency.

**Options :**

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

**Question Number : 133 Question Id : 630680270731 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 key component of the subtopic "Abattoir practices, methods of slaughtering and dressing, utilization of by-products" in Livestock Products Technology?

**Options :**

1. ✔ Quality control in meat processing
2. ✖ Animal welfare during transportation
3. ✖ Packaging and labelling of meat products
4. ✖ Breeding and genetics of livestock

**Question Number : 134 Question Id : 630680270732 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 involved in abattoir practices, methods of slaughtering and dressing, and utilization of by-products in the correct increasing order:

1. Dressing of the carcass
2. Stunning or immobilization of the animal
3. Slaughtering of the animal
4. Processing and utilization of by-products

**Options :**

1. ✔ 2, 3, 1, 4
2. ✖ 3, 2, 1, 4
3. ✖ 2, 1, 3, 4
4. ✖ 3, 1, 2, 4

**Question Number : 135 Question Id : 630680270733 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 appropriate method for the disposal of unsound meat?

**Options :**

1. ✔ Incineration
2. ✖ Composting
3. ✖ Storage
4. ✖ Rendering

**Question Number : 136 Question Id : 630680270734 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 factor in ensuring the quality control of livestock products?

**Options :**

1. ✖ Colourful packaging
2. ✖ Transportation efficiency
3. ✔ Nutritional value
4. ✖ Marketing strategies

**Question Number : 137 Question Id : 630680270735 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 quality control of livestock products? Select all that apply.

Statements:

1. Proper storage helps to maintain the freshness and quality of livestock products.
2. Quality control involves monitoring and evaluating the nutritional value of livestock products.
3. Colourful packaging techniques are essential for the transportation of livestock products.
4. Preservation methods play a crucial role in extending the shelf life of livestock products

**Options :**

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

**Question Number : 138 Question Id : 630680270736 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 meat inspection process:

- A) Ante-mortem inspection
- B) Post-mortem inspection
- C) Meat certification
- D) Prepare the Objectives of the inspection

**Options :**

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

**Question Number : 139 Question Id : 630680270737 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 primary objective of meat inspection in the livestock industry?

**Options :**

1. ✔ To ensure the quality and safety of meat products
2. ✖ To determine the market value of meat
3. ✖ To regulate the transportation of livestock
4. ✖ To promote the consumption of meat

**Question Number : 140 Question Id : 630680270738 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 do legal standards of quality control in livestock products primarily focus on?

1. Microbial contamination
2. Nutritional composition
3. Toxicity/pesticide residues

**Options :**

1. ✖ Only 1 and 2
2. ✖ Only 2 and 3
3. ✖ Only 1 and 3
4. ✔ All 1, 2 and 3

**Question Number : 141 Question Id : 630680270739 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 statement(s) accurately describe(s) the subtopic of legal standards of quality control, toxicity/pesticide residues, and adulterants in livestock products and by-products?

Statement 1: Legal standards ensure the absence of toxicity/pesticide residues in livestock products.

Statement 2: Adulterants and preservatives are substances intentionally added to improve the nutritional quality of livestock products.

**Options :**

1. ☒ Only statement 1 is correct
2. ☐ Only statement 2 is correct.
3. ☐ Both statement 1 and statement 2 are correct.
4. ☐ Neither statement 1 nor statement 2 is correct.

**Question Number : 142 Question Id : 630680270740 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 type of livestock farming systems is commonly practiced in rural India?

**Options :**

1. ☒ Extensive
2. ☐ Semi mixed
3. ☐ Mixed
4. ☐ Semi-intensive

**Question Number : 143 Question Id : 630680270741 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 Extension Education in Veterinary and Animal Husbandry?

**Options :**

1. ☐ Providing healthcare services to animals
2. ☐ Conducting research on animal diseases
3. ☒ Disseminating knowledge and information to farmers
4. ☐ Training veterinarians in surgical procedures

**Question Number : 144 Question Id : 630680270742 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 participatory communication method commonly used in veterinary extension?

**Options :**

1. ☐ One-way lecture
2. ☐ Printed brochures
3. ☒ Interactive group discussion
4. ☐ Radio broadcast

**Question Number : 145 Question Id : 630680270743 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: Transfer of technology in livestock animal husbandry practices involves the dissemination of scientific knowledge and innovations to the rural communities.

Statement 2: The goal of technology transfer in rural upliftment is to improve livestock productivity, increase income generation, and enhance the overall well-being of rural farmers.

**Options :**

1. ☒ Statement 1 is true, statement 2 is true
2. ☐ Statement 1 is false, statement 2 is false
3. ☐ Statement 1 is true, statement 2 is false.
4. ☐ Statement 1 is false, statement 2 is true.

**Question Number : 146 Question Id : 630680270744 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 programmes in the chronological order of their initiation:

- A) National Dairy Development Board (NDDB)
- B) Integrated Dairy Development Project (IDDP)

- C) National Livestock Mission (NLM)  
D) Rashtriya Krishi Vikas Yojana (RKVY)

**Options :**

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

**Question Number : 147 Question Id : 630680270745 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 factors in livestock business management in increasing order based on their level of influence on profitability:

- A) Feed costs  
B) Market demand  
C) Veterinary care  
D) Production efficiency

**Options :**

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

**Question Number : 148 Question Id : 630680270746 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 primary objective of livestock extension services?

**Options :**

1. ✔ Disease prevention and control
2. ✖ Slaughter-house techniques
3. ✖ Environmental conservation
4. ✖ Water resource management

**Question Number : 149 Question Id : 630680270747 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 economics of animal diseases and disease losses:

Statement 1: Animal diseases can have a negative impact on the profitability of livestock farms.

Statement 2: The economic losses from animal diseases include not only direct losses but also indirect losses to the overall economy.

Statement 3: Animal disease control measures can help mitigate the economic impact of diseases.

**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 : 150 Question Id : 630680270748 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 option is true regarding trans-boundary trade in livestock between countries?

**Options :**

1. ✖ Genetic exchange
2. ✖ Processed products
3. ✔ Import and export
4. ✖ No regulations