

# National Testing Agency

<b>Question Paper Name :</b>	Veterinary Pathology 17th September Shift 2
<b>Subject Name :</b>	Veterinary Pathology
<b>Creation Date :</b>	2021-09-17 18:54:32
<b>Duration :</b>	120
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<b>Display Marks:</b>	Yes

## Veterinary Pathology

<b>Group Number :</b>	1
<b>Group Id :</b>	19088999
<b>Group Maximum Duration :</b>	0
<b>Group Minimum Duration :</b>	120
<b>Show Attended Group? :</b>	No
<b>Edit Attended Group? :</b>	No
<b>Break time :</b>	0
<b>Group Marks :</b>	480
<b>Is this Group for Examiner? :</b>	No

## Part A: General Knowledge

<b>Section Id :</b>	190889221
<b>Section Number :</b>	1
<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory

<b>Number of Questions :</b>	20
<b>Number of Questions to be attempted :</b>	20
<b>Section Marks :</b>	80
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	190889261
<b>Question Shuffling Allowed :</b>	Yes

**Question Number : 1 Question Id : 19088911182 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1**

Which of the following is the device used to measure the power and speed of the wind?

1. Avometer
2. Anemometer
3. Airometer
4. Aviontimeter

**Options :**

- 19088944621. 1
- 19088944622. 2
- 19088944623. 3
- 19088944624. 4

**Question Number : 2 Question Id : 19088911183 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1**

Optical fibre used the concept of which of the following?

1. Reflection
2. Refraction
3. Total internal reflection
4. Total internal refraction

**Options :**

- 19088944625. 1
- 19088944626. 2
- 19088944627. 3
- 19088944628. 4

**Question Number : 3 Question Id : 19088911184 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Yellow vein mosaic is the viral disease of which of the following plants?

- 1. Ladyfinger
- 2. Papaya
- 3. Sugarcane
- 4. Banana

**Options :**

- 19088944629. 1
- 19088944630. 2
- 19088944631. 3
- 19088944632. 4

**Question Number : 4 Question Id : 19088911185 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following organ(s) is affected by Mumps disease?

- 1. Entire body
- 2. Skin
- 3. Eye
- 4. Parotid

**Options :**

- 19088944633. 1
- 19088944634. 2
- 19088944635. 3



19088944636. 4

**Question Number : 5 Question Id : 19088911186 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following is the chemical name of vitamin B<sub>2</sub>?

1. Riboflavin
2. Calciferol
3. Pyridoxin
4. Niacin

**Options :**

19088944637. 1

19088944638. 2

19088944639. 3

19088944640. 4

**Question Number : 6 Question Id : 19088911187 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following is not the input unit of the computer?

1. Mouse
2. Keyboard
3. Screen
4. Scanner

**Options :**

19088944641. 1

19088944642. 2

19088944643. 3

19088944644. 4

**Question Number : 7 Question Id : 19088911188 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**



**Correct Marks : 4 Wrong Marks : 1**

The digital computer operates on which of the following principle?

1. Measurement
2. Calculation
3. Logical
4. Electrification

**Options :**

19088944645. 1

19088944646. 2

19088944647. 3

19088944648. 4

**Question Number : 8 Question Id : 19088911189 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The non-cooperation movement of Gandhiji was launched in which of the following year?

1. 1915
2. 1922
3. 1920
4. 1930

**Options :**

19088944649. 1

19088944650. 2

19088944651. 3

19088944652. 4

**Question Number : 9 Question Id : 19088911190 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

An Islamic revivalist movement named Wahabi movement was founded by which of the following person?

1. Sian Saheb
2. Syed Ahmed
3. Haji Shariat-Allah
4. DaduMian

**Options :**

19088944653. 1

19088944654. 2

19088944655. 3

19088944656. 4

**Question Number : 10 Question Id : 19088911191 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following is considered as the “Magna Carta of England Education in India”?

1. Hunter education commission
2. Lord Macaulay’s Minute
3. Wood’s Despatch
4. Thomas Babington Macaulay

**Options :**

19088944657. 1

19088944658. 2

19088944659. 3

19088944660. 4

**Question Number : 11 Question Id : 19088911192 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following nutrient does not come under the ambit of 'macro-nutrients in Soil Health Card?

1. Nitrogen
2. Zinc
3. Phosphorous
4. Potassium

**Options :**

19088944661. 1

19088944662. 2

19088944663. 3

19088944664. 4

**Question Number : 12 Question Id : 19088911193 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Cole crops, root crops and legumes come under the ambit of which of the following?

1. Olericulture
2. Pomology
3. Viticulture
4. Arboriculture

**Options :**

19088944665. 1

19088944666. 2

19088944667. 3

19088944668. 4

**Question Number : 13 Question Id : 19088911194 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



The study of individual trees, shrubs, vines, and perennial woody plants is known as which of the following?

1. Turf management
2. Arboriculture
3. Pomology
4. Viticulture

**Options :**

19088944669. 1

19088944670. 2

19088944671. 3

19088944672. 4

**Question Number : 14 Question Id : 19088911195 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The ministry is implementing MIDH (Mission for Integrated Development of Horticulture) with effect from which of the following year?

1. 2012-13
2. 2019-20
3. 2015-16
4. 2014-15

**Options :**

19088944673. 1

19088944674. 2

19088944675. 3

19088944676. 4

**Question Number : 15 Question Id : 19088911196 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The interaction of soils with living things, particularly plants are well known as which of the following?

1. Edaphology
2. Pedology
3. Soil zoology
4. Pedogenesis

**Options :**

19088944677. 1

19088944678. 2

19088944679. 3

19088944680. 4

**Question Number : 16 Question Id : 19088911197 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following systems has also incorporated social aspects in itself?

1. Landscaping
2. Permaculture
3. Horticulture
4. Forest gardening

**Options :**

19088944681. 1

19088944682. 2

19088944683. 3

19088944684. 4

**Question Number : 17 Question Id : 19088911198 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

What do you term the phenomenon whereby the specific gene is added to the plant for producing a desirable phenotype?

1. Genetic manipulation
2. Genetic recombination
3. Genetic modification
4. Genetic hybridisation

**Options :**

19088944685. 1

19088944686. 2

19088944687. 3

19088944688. 4

**Question Number : 18 Question Id : 19088911199 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

What is the focus of the participatory plant breeding program?

1. Scientists
2. Plants
3. Environment
4. Farmers

**Options :**

19088944689. 1

19088944690. 2

19088944691. 3

19088944692. 4

**Question Number : 19 Question Id : 19088911200 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



How do you term the form of agriculture, in which, industrialized production of crops and animal products takes place?

1. Manufactured agriculture
2. Modern agriculture
3. Industrial agriculture
4. Mechanistic agriculture

**Options :**

19088944693. 1

19088944694. 2

19088944695. 3

19088944696. 4

**Question Number : 20 Question Id : 19088911201 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Micro-irrigation fund of Rs. 5.000 crore has been placed with which of the following organization?

1. NABARD
2. IDBI
3. SBI
4. RRBs

**Options :**

19088944697. 1

19088944698. 2

19088944699. 3

19088944700. 4

## **Part B Core : Veterinary and Animal Sciences-II**

**Section Id :** 190889222

**Section Number :** 2

**Section type :** Online

<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	50
<b>Number of Questions to be attempted :</b>	50
<b>Section Marks :</b>	200
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	190889262
<b>Question Shuffling Allowed :</b>	Yes

**Question Number : 21 Question Id : 19088911202 Question Type : MCQ Option Shuffling : No**  
**Is Question Mandatory : No**  
**Correct Marks : 4 Wrong Marks : 1**

Drug of choice for treatment of fasciolosis in cattle is

- |                     |                  |
|---------------------|------------------|
| (1) Closantel       | (2) Rafoxanide   |
| (3) Triclabendazole | (4) Oxyclozanide |

**Options :**

- 19088944701. 1
- 19088944702. 2
- 19088944703. 3
- 19088944704. 4

**Question Number : 22 Question Id : 19088911203 Question Type : MCQ Option Shuffling : No**  
**Is Question Mandatory : No**  
**Correct Marks : 4 Wrong Marks : 1**

Metacestode stage found in invertebrate intermediate host is

- |                    |                  |
|--------------------|------------------|
| (1) Cysticercoid   | (2) Cysticercus  |
| (3) Strobilocercus | (4) Hydatid cyst |

**Options :**



19088944705. 1

19088944706. 2

19088944707. 3

19088944708. 4

**Question Number : 23 Question Id : 19088911204 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Tracheal route of migration is not seen in the following nematode species

(1) *Parascaris equorum*

(2) *Ascaris suum*

(3) *Toxocara canis*

(4) *Toxascaris leonina*

**Options :**

19088944709. 1

19088944710. 2

19088944711. 3

19088944712. 4

**Question Number : 24 Question Id : 19088911205 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Butcher's Jelly condition is related to which of the following fly?

(1) *Tabanus*

(2) *Hypoderma*

(3) *Sarcophaga*

(4) *Calliphora*

**Options :**

19088944713. 1

19088944714. 2

19088944715. 3

19088944716. 4



Question Number : 25 Question Id : 19088911206 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Prostriata tick is one of the following

- |                        |                          |
|------------------------|--------------------------|
| (1) <i>Ixodes</i>      | (2) <i>Amblyomma</i>     |
| (3) <i>Dermacentor</i> | (4) <i>Rhipicephalus</i> |

Options :

19088944717. 1

19088944718. 2

19088944719. 3

19088944720. 4

Question Number : 26 Question Id : 19088911207 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The test that differentiates *T. brucei* from *Trypanosoma brucei rhodesiense* is

- |                                       |                     |
|---------------------------------------|---------------------|
| (1) Blood incubation infectivity test | (2) Dye test        |
| (3) Formal Gel test                   | (4) Montenegro test |

Options :

19088944721. 1

19088944722. 2

19088944723. 3

19088944724. 4

Question Number : 27 Question Id : 19088911208 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Nematodes in the large intestine of horses having single spicule are

- (1) *Strongylus vulgaris* (2) *Parascaris equorum*  
(3) *Draschia megastoma* (4) *Oxyuris equi*

**Options :**

19088944725. 1

19088944726. 2

19088944727. 3

19088944728. 4

**Question Number : 28 Question Id : 19088911209 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Followings are meat borne Zoonoses except

- (1) *Opisthorchis tenuicollis* (2) *Trichinella spiralis*  
(3) *Toxoplasma gondii* (4) *Taenia saginata*

**Options :**

19088944729. 1

19088944730. 2

19088944731. 3

19088944732. 4

**Question Number : 29 Question Id : 19088911210 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



The ability of a parasite strain to resist the dose of two chemically unrelated drugs having different modes of action is termed as

- (1) Multiple resistance                      (2) Side resistance  
(3) Cross resistance                         (4) Reversion

**Options :**

19088944733. 1

19088944734. 2

19088944735. 3

19088944736. 4

**Question Number : 30 Question Id : 19088911211 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

One of the following vaccine contains exoantigen secreted by the parasite

- (1) Pirodog                                      (2) CoxAbic  
(3) Leishmcene                                (4) Toxovax

**Options :**

19088944737. 1

19088944738. 2

19088944739. 3

19088944740. 4

**Question Number : 31 Question Id : 19088911212 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



Asymmetrical dorsal lobe and barbed spicule present along with distinct vulval flap in female is a characteristic feature of the following nematode

- (1) *Strongyloides* (2) *Haemonchus*  
(3) *Nematodirus* (4) *Cooperia*

**Options :**

19088944741. 1  
19088944742. 2  
19088944743. 3  
19088944744. 4

**Question Number : 32 Question Id : 19088911213 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Match List I with List II

- | List I                                     | List II                           |
|--|-----------------------------------|
| (A) Osteosarcoma in dog                    | (I) <i>Trypanosoma evansi</i>     |
| (B) Venacaval syndrome                     | (II) <i>Entamoeba histolytica</i> |
| (C) Urticarial plaques on horse body       | (III) <i>Dirofilaria immitis</i>  |
| (D) Flask shaped ulcer in intestine of man | (IV) <i>Spirocerca lupi</i>       |

Choose the correct answer from the options given below:

- (1) (A)-(I), (B)-(II), (C)-(III), (D)-(IV)  
(2) (A)-(III), (B)-(IV), (C)-(I), (D)-(II)  
(3) (A)-(IV), (B)-(III), (C)-(I), (D)-(II)  
(4) (A)-(IV), (B)-(III), (C)-(II), (D)-(I)

**Options :**

19088944745. 1  
19088944746. 2  
19088944747. 3  
19088944748. 4

**Question Number : 33 Question Id : 19088911214 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Causative agent of Mal-de-Caderas is

- |                                |                                   |
|--------------------------------|-----------------------------------|
| (1) <i>Trypanosoma equinum</i> | (2) <i>Trypanosoma equiperdum</i> |
| (3) <i>Trypanosoma vivax</i>   | (4) <i>Trypanosoma evansi</i>     |

**Options :**

19088944749. 1

19088944750. 2

19088944751. 3

19088944752. 4

**Question Number : 34 Question Id : 19088911215 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Given below are two statements:

Statement I : One vertebrate and two invertebrate hosts are involved in metazoonosis type II

Statement II : One invertebrate and two vertebrate hosts are involved in metazoonosis type III

In the light of the above statements, choose the most appropriate answer from the options given below :

- (1) Both Statement I and Statement II are correct
- (2) Both Statement I and Statement II are incorrect
- (3) Statement I is correct but Statement II is incorrect
- (4) Statement I is incorrect but Statement II is correct

**Options :**

19088944753. 1

19088944754. 2

19088944755. 3



19088944756. 4

**Question Number : 35 Question Id : 19088911216 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which type of adulterant of milk is detected by using Rosalic acid test?

- |                    |                                      |
|--------------------|--------------------------------------|
| (1) Neutralizers   | (2) Preservative                     |
| (3) Synthetic milk | (4) Specific gravity adjusting agent |

**Options :**

19088944757. 1

19088944758. 2

19088944759. 3

19088944760. 4

**Question Number : 36 Question Id : 19088911217 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

As per the FSSAI regulations, the standard plate count of pasteurized milk should not exceed

- |                 |                   |
|-----------------|-------------------|
| (1) 3000 CFU/mL | (2) 30,000 CFU/mL |
| (3) 10 CFU/mL   | (4) 50,000 CFU/mL |

**Options :**

19088944761. 1

19088944762. 2

19088944763. 3

19088944764. 4

**Question Number : 37 Question Id : 19088911218 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



Given below are two statements:

Statement I : Tetanus in food animal can be easily diagnosed during post mortem examination.

Statement II : Rabies in food animal can be easily diagnosed during ante-mortem examination but not that easily after post mortem examination

In the light of the above statements, choose the most appropriate answer from the options given below :

- (1) Both Statement I and Statement II are correct
- (2) Both Statement I and Statement II are incorrect
- (3) Statement I is correct but Statement II is incorrect
- (4) Statement I is incorrect but Statement II is correct

**Options :**

19088944765. 1

19088944766. 2

19088944767. 3

19088944768. 4

**Question Number : 38 Question Id : 19088911219 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The B.O.D. strength of sewage effluent to be discharged into surface water should not be more than

- |              |                 |
|--------------|-----------------|
| (1) 25 mg/L  | (2) 25 gm/100 L |
| (3) 25 gm /L | (4) 25 µg/L     |

**Options :**

19088944769. 1

19088944770. 2

19088944771. 3

19088944772. 4

**Question Number : 39 Question Id : 19088911220 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Most of the fresh water on earth is available as

- |                           |                    |
|---------------------------|--------------------|
| (1) Glaciers and ice caps | (2) Ground water   |
| (3) Lakes and river       | (4) Reservoir dams |

**Options :**

19088944773. 1

19088944774. 2

19088944775. 3

19088944776. 4

**Question Number : 40 Question Id : 19088911221 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which is the most abundant component of fresh air?

- |                    |                 |
|--------------------|-----------------|
| (1) Nitrogen       | (2) Oxygen      |
| (3) Carbon dioxide | (4) Hydrosphere |

**Options :**

19088944777. 1

19088944778. 2

19088944779. 3

19088944780. 4

**Question Number : 41 Question Id : 19088911222 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Contamination of milk due to *Clostridium perfringens* is mainly attributed to

- |                               |                    |
|-------------------------------|--------------------|
| (1) Diseased animal           | (2) Milk handler   |
| (3) Environment of dairy farm | (4) Healthy animal |



**Options :**

- 19088944781. 1
- 19088944782. 2
- 19088944783. 3
- 19088944784. 4

**Question Number : 42 Question Id : 19088911223 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which one of the bacterial pathogens mentioned below do not multiply freely in milk?

- (1) *Staphylococcus aureus*
- (2) *Brucella abortus*
- (3) *Listeria monocytogenes*
- (4) *Escherichia coli*

**Options :**

- 19088944785. 1
- 19088944786. 2
- 19088944787. 3
- 19088944788. 4

**Question Number : 43 Question Id : 19088911224 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Following are examples of viral zoonoses except:

- (1) Weil's disease
- (2) Rift valley fever
- (3) Louping ill
- (4) yellow fever

**Options :**

- 19088944789. 1
- 19088944790. 2
- 19088944791. 3
- 19088944792. 4



**Question Number : 44 Question Id : 19088911225 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

If the food processing equipment is dismantled for thorough cleaning, then this process is called as

- |                         |                                |
|-------------------------|--------------------------------|
| (1) Cleaning-in-place   | (2) Cleaning-out of-place      |
| (3) Routine maintenance | (4) Sterilization of equipment |

**Options :**

19088944793. 1

19088944794. 2

19088944795. 3

19088944796. 4

**Question Number : 45 Question Id : 19088911226 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The purpose of providing rest to any food animal in lairage for a minimum of 12 hour period after arrival from long distance is

- |   |   |
|---|---|
| (1) To reduce intestinal load of bacteria | (2) To reduce incidence of bruising     |
| (3) To collect maximum possible manure    | (4) To make it easy for animal handling |

**Options :**

19088944797. 1

19088944798. 2

19088944799. 3

19088944800. 4

**Question Number : 46 Question Id : 19088911227 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

"Redeye" in human is a constant and characteristic feature of

- |                 |                          |
|-----------------|--------------------------|
| (1) Farcy       | (2) Cat-scratch syndrome |
| (3) Malta fever | (4) Weil's syndrome      |

**Options :**

19088944801. 1

19088944802. 2

19088944803. 3

19088944804. 4

**Question Number : 47 Question Id : 19088911228 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Bacteria have ribosomal sub-units as follows

- |                 |                 |
|-----------------|-----------------|
| (1) 60s and 40s | (2) 50s and 30s |
| (3) 50s and 20s | (4) 60s and 30s |

**Options :**

19088944805. 1

19088944806. 2

19088944807. 3

19088944808. 4

**Question Number : 48 Question Id : 19088911229 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Match List I with List II

List I	List II
(A) LPS	(I) <i>Staphylococcus</i>
(B) Lipoteichoic acid	(II) L-forms
(C) Mycolic acids	(III) <i>Brucella</i>
(D) Cell wall deficient	(IV) <i>Mycobacterium</i>

Choose the correct answer from the options given below:

- (1) (A)-(IV), (B)-(III), (C)-(II), (D)-(I)
- (2) (A)-(II), (B)-(III), (C)-(IV), (D)-(I)
- (3) (A)-(III), (B)-(IV), (C)-(I), (D)-(II)
- (4) (A)-(III), (B)-(I), (C)-(IV), (D)-(II)

**Options :**

19088944809. 1

19088944810. 2

19088944811. 3

19088944812. 4

**Question Number : 49 Question Id : 19088911230 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



Given below are two statements :

Statement I : Endotoxins are chemically made up of lipopolysaccharides and generally produced by Gram-negative bacteria

Statement II : Endotoxins are pyogenic.

In the light of the above statements, choose the correct answer from the options given below :

- (1) Both Statement I and Statement II are true
- (2) Both Statement I and Statement II are false
- (3) Statement I is correct but Statement II is false
- (4) Statement I is incorrect but Statement II is true

**Options :**

19088944813. 1

19088944814. 2

19088944815. 3

19088944816. 4

**Question Number : 50 Question Id : 19088911231 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Given below are two statements : One is labelled as Assertion A and the other is labelled as Reason R

Assertion A : *Staphylococcus aureus* produces golden yellow pigmented colonies on mannitol salt agar

Reason R : Mannitol salt agar has high salt concentration of 7.5%

In the light of the above statements, choose the correct answer from the options given below:

- (1) Both A and R are true and R is the correct explanation of A
- (2) Both A and R are true and R is NOT the correct explanation of A
- (3) A is true but R is false
- (4) A is false but R is true

**Options :**

19088944817. 1

19088944818. 2

19088944819. 3

19088944820. 4

**Question Number : 51 Question Id : 19088911232 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



“ Summer Mastitis” is caused by

- (A) *Staphylococcus aureus*
- (B) *Streptococcus agalactiae*
- (C) *Arcanobacterium pyogenes*
- (D) *Streptococcus dysgalactiae*
- (E) *Peptostreptococcus indolicus*

Choose the correct answer from the options given below :

- (1) (A) and (B) only
- (2) (C) and (E) only
- (3) (A), (B) and (D) only
- (4) (A),(C) (D) and (E) only

**Options :**

19088944821. 1

19088944822. 2

19088944823. 3

19088944824. 4

**Question Number : 52 Question Id : 19088911233 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

“ Hot-cold lysis” is seen with bacteria

- (1) *Listeria monocytogenes*
- (2) *Staphylococcus aureus*
- (3) *Streptococcus agalactiae*
- (4) *Clostridium perfringens*

**Options :**

19088944825. 1

19088944826. 2

19088944827. 3

19088944828. 4

**Question Number : 53 Question Id : 19088911234 Question Type : MCQ Option Shuffling : No**



**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Given below are two statements:

Statement I : Target haemolysis is produced due to narrow zone of partial haemolysis surrounded by broader zone of complete haemolysis on blood agar.

Statement II : Target haemolysis is produced by *Clostridium perfringens* and *Staphylococcus aureus*.

In the light of the above statements, choose the correct answer from the options given below:

- (1) Both Statement I and Statement II are true
- (2) Both Statement I and Statement II are false
- (3) Statement I is correct but Statement II is false
- (4) Statement I is incorrect but Statement II is true

**Options :**

19088944829. 1

19088944830. 2

19088944831. 3

19088944832. 4

**Question Number : 54 Question Id : 19088911235 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Given below are two statements : one is labelled as Assertion A and the other is labelled as Reason R

Assertion A : Tetanus is dreadful neurotoxic disease of man and animals.

Reason R : Causative agent *Clostridium tetani* has high power of invasion and this organism can reach the brain.

In the light of the above statements, choose the most appropriate answer from the options given below :

- (1) Both A and R are correct and R is the correct explanation of A
- (2) Both A and R are correct but R is NOT the correct explanation of A
- (3) A is correct but R is not correct
- (4) A is not correct but R is correct

**Options :**

19088944833. 1

19088944834. 2

19088944835. 3

19088944836. 4

**Question Number : 55 Question Id : 19088911236 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



Match List I with List II

List I	List II
(A) Black death	(I) <i>Yersinia enterocolitica</i>
(B) Black disease	(II) <i>Clostridium perfringens</i>
(C) Nagler reaction	(III) <i>Clostridium novyi</i> Type B
(D) Cold enrichment	(IV) <i>Yersinia pestis</i>

Choose the correct answer from the options given below:

- (1) (A)-(IV), (B)-(III), (C)-(II), (D)-(I)
- (2) (A)-(IV), (B)-(I), (C)-(III), (D)-(II)
- (3) (A)-(II), (B)-(III), (C)-(IV), (D)-(I)
- (4) (A)-(III), (B)-(IV), (C)-(I), (D)-(II)

**Options :**

19088944837. 1

19088944838. 2

19088944839. 3

19088944840. 4

**Question Number : 56 Question Id : 19088911237 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

*Streptococcus* species that are untypable by Lance field classification are

- (A) *Streptococcus uberis*
- (B) *Streptococcus equi*
- (C) *Streptococcus equisimilis*
- (D) *Streptococcus pneumoniae*
- (E) *Streptococcus parauberis*

Choose the correct answer from the options given below :

- (1) (A) and (E) only
- (2) (A), (D) and (E) only
- (3) (B) and (C) only
- (4) (B), (C) and (D) only

**Options :**

- 19088944841. 1
- 19088944842. 2
- 19088944843. 3
- 19088944844. 4

**Question Number : 57 Question Id : 19088911238 Question Type : MCQ Option Shuffling : No**  
**Is Question Mandatory : No**  
**Correct Marks : 4 Wrong Marks : 1**



Acid fast nature of *Mycobacterium* is due to presence of

- (A) Teichoic acids
- (B) Dipicolinic acids
- (C) Mycolic acids
- (D) N-Acetyl muramic acids
- (E) Glucuronic acids

Choose the correct answer from the options given below :

- (1) (A) and (C) only
- (2) (A), (C) and (D) only
- (3) (C) only
- (4) (D) only

**Options :**

19088944845. 1

19088944846. 2

19088944847. 3

19088944848. 4

**Question Number : 58 Question Id : 19088911239 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Statement I : Brilliant Green Agar (BGA) is a selective medium for *Salmonella*.

Statement II : BGA is made selective by incorporating high salt concentration of 6.5%

In the light of the above statements, choose the correct answer from the options given below:

- (1) Both Statement I and Statement II are true
- (2) Both Statement I and Statement II are false
- (3) Statement I is true but Statement II is false
- (4) Statement I is false but Statement II is true

**Options :**

19088944849. 1

19088944850. 2

19088944851. 3

19088944852. 4

**Question Number : 59 Question Id : 19088911240 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The four cardinal signs of inflammation was given by

- |                    |                            |
|--------------------|----------------------------|
| (1) Galen          | (2) Aulus Cornelius Celsus |
| (3) E. Metchnikoff | (4) Hippocrates            |

**Options :**

19088944853. 1

19088944854. 2

19088944855. 3

19088944856. 4



**Question Number : 60 Question Id : 19088911241 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Cell swelling causes disruption of inter digitations between cells of

- |                        |                     |
|------------------------|---------------------|
| (1) Corneum layer      | (2) Lucidum layer   |
| (3) Germinativum layer | (4) Spinosium layer |

**Options :**

19088944857. 1

19088944858. 2

19088944859. 3

19088944860. 4

**Question Number : 61 Question Id : 19088911242 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Empyema is the suppurative inflammation of the

- |                  |                      |
|------------------|----------------------|
| (1) Lung alveoli | (2) Guttural pouches |
| (3) Middle ear   | (4) Ependyma         |

**Options :**

19088944861. 1

19088944862. 2

19088944863. 3

19088944864. 4

**Question Number : 62 Question Id : 19088911243 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Systemic lupus erythematosus is a

- (1) Bacterial disease caused by *Erysepelothrix* sp.
- (2) Herpes viral disease
- (3) Autoimmune disease
- (4) Immunodeficiency disease

**Options :**

19088944865. 1

19088944866. 2

19088944867. 3

19088944868. 4

**Question Number : 63 Question Id : 19088911244 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Disorderly and haphazard arrangement of tissue is termed as

- (1) Dysplasia
- (2) Metaplasia
- (3) Dyscrasia
- (4) Neoplasia

**Options :**

19088944869. 1

19088944870. 2

19088944871. 3

19088944872. 4

**Question Number : 64 Question Id : 19088911245 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



Lipids and fats in tissues can be demonstrated by using

- |                                |                   |
|--------------------------------|-------------------|
| (1) Periodic acid Schiff stain | (2) Gimenez stain |
| (3) Romanosky stains           | (4) Oil Red       |

**Options :**

19088944873. 1

19088944874. 2

19088944875. 3

19088944876. 4

**Question Number : 65 Question Id : 19088911246 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Clotting time is increased in deficiency of

- |               |                |
|---------------|----------------|
| (1) Vitamin C | (2) Vitamin K  |
| (3) Vitamin E | (4) Riboflavin |

**Options :**

19088944877. 1

19088944878. 2

19088944879. 3

19088944880. 4

**Question Number : 66 Question Id : 19088911247 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Spongiform encephalopathies are not associated with the following feature

- |                       |                              |
|-----------------------|------------------------------|
| (1) Status spongiosus | (2) Perivascular cuffing     |
| (3) Neuronal loss     | (4) Amyloid plaque formation |

**Options :**

- 19088944881. 1
- 19088944882. 2
- 19088944883. 3
- 19088944884. 4

**Question Number : 67 Question Id : 19088911248 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The cutaneous form of which of the following disease is called as Farcy.

- |               |                      |
|---------------|----------------------|
| (1) Glanders  | (2) Equine Influenza |
| (3) Strangles | (4) Pseudoglanders   |

**Options :**

- 19088944885. 1
- 19088944886. 2
- 19088944887. 3
- 19088944888. 4

**Question Number : 68 Question Id : 19088911249 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



Colibacillosis in poultry is not associated with the condition

- |                    |                     |
|--------------------|---------------------|
| (1) Air sacculitis | (2) Ventriculitis   |
| (3) Omphalitis     | (4) Panophthalmitis |

**Options :**

19088944889. 1

19088944890. 2

19088944891. 3

19088944892. 4

**Question Number : 69 Question Id : 19088911250 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Deficiency of Vitamin D is not associated with the condition

- |                      |                          |
|----------------------|--------------------------|
| (1) Chondrodystrophy | (2) Rachitic rosary ribs |
| (3) Bent sternum     | (4) Bowed legs           |

**Options :**

19088944893. 1

19088944894. 2

19088944895. 3

19088944896. 4

**Question Number : 70 Question Id : 19088911251 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The most potent toxin known to man

- (1) Buchratoxin (2) Ochratoxin  
(3) Tetrodotoxin (4) Botulinum toxin

**Options :**

19088944897. 1

19088944898. 2

19088944899. 3

19088944900. 4

## Part C : Veterinary Pathology

<b>Section Id :</b>	190889223
<b>Section Number :</b>	3
<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	50
<b>Number of Questions to be attempted :</b>	50
<b>Section Marks :</b>	200
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	190889263
<b>Question Shuffling Allowed :</b>	Yes

Question Number : 71 Question Id : 19088911252 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1



Free radical injury is usually controlled by intracellular anti-oxidants like

- |                          |                         |
|--------------------------|-------------------------|
| (1) Phospholipase        | (2) Dehydrogenase       |
| (3) Superoxide dismutase | (4) Phosphofructokinase |

**Options :**

19088944901. 1

19088944902. 2

19088944903. 3

19088944904. 4

**Question Number : 72 Question Id : 19088911253 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Sudden changes in the atmospheric pressure causes

- |                 |                      |
|-----------------|----------------------|
| (1) The bends   | (2) Vertigo          |
| (3) Hydrothorax | (4) Hydropericardium |

**Options :**

19088944905. 1

19088944906. 2

19088944907. 3

19088944908. 4

**Question Number : 73 Question Id : 19088911254 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Failure of  $Na^+ - K^+$  pump leads to

- |                          |                     |
|--------------------------|---------------------|
| (1) Increased glycolysis | (2) Decrease in pH  |
| (3) Membrane injury      | (4) Efflux of $K^+$ |

**Options :**

19088944909. 1

19088944910. 2

19088944911. 3

19088944912. 4

**Question Number : 74 Question Id : 19088911255 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

From the following, choose pro-coagulant platelet mediators in haemostasis.

(A) Von Willebrand's Factor

(B) Fibrinogen

(C) Adenosine Triphosphate

(D) Protein S

(E) Adenosine Diphosphate

(1) (A), (B), (D) only

(2) (A),(B),(E) only

(3) (B), (C), (E) only

(4) (B),(D),(E) only

**Options :**

19088944913. 1

19088944914. 2

19088944915. 3

19088944916. 4

**Question Number : 75 Question Id : 19088911256 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which among the following is NOT an inherited coagulation deficiency disorder?

(1) Haemophilia

(2) Von Willebrand's disease

(3) Vitamin K - dependent factors

(4) Sickle cell anaemia



**Options :**

- 19088944917. 1
- 19088944918. 2
- 19088944919. 3
- 19088944920. 4

**Question Number : 76 Question Id : 19088911257 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The term Oncosis refers to

- (1) Infestation with *Onchocerca Cervicalis*
- (2) Study of cancer
- (3) Cell death after irreversible cell injury
- (4) Apoptosis

**Options :**

- 19088944921. 1
- 19088944922. 2
- 19088944923. 3
- 19088944924. 4

**Question Number : 77 Question Id : 19088911258 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following is not possible?

- (1) Chronic local congestion
- (2) Chronic general hyperaemia
- (3) Acute local congestion
- (4) Pulmonary hypertension

**Options :**

- 19088944925. 1

19088944926. 2

19088944927. 3

19088944928. 4

**Question Number : 78 Question Id : 19088911259 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which is not an acute phase protein?

(1) C-Reactive protein

(2) Fibrinogen

(3) Leucotriene

(4) Haptoglobin

**Options :**

19088944929. 1

19088944930. 2

19088944931. 3

19088944932. 4

**Question Number : 79 Question Id : 19088911260 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



Match List I with List II

List I

- (A) Eosinophils
- (B) Myeloma cells
- (C) Dendritic cells
- (D) Histiocytes

List II

- (I) Monoclonal Antibody
- (II) Macrophage
- (III) Parasitic infections
- (IV) Antigen presenting cell

Choose the correct answer from the options given below :

- (1) (A)-(I), (B)-(III), (C)-(II), (D)-(IV)
- (2) (A)-(IV), (B)-(II), (C)-(I), (D)-(III)
- (3) (A)-(III), (B)-(I), (C)-(IV), (D)-(II)
- (4) (A)-(III), (B)-(IV), (C)-(II), (D)-(I)

**Options :**

- 19088944933. 1
- 19088944934. 2
- 19088944935. 3
- 19088944936. 4

**Question Number : 80 Question Id : 19088911261 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Exuberant granulation tissue is an example of

- (1) Healing by first intention
- (2) Hypertrophic scars
- (3) Neoplastic transformation
- (4) Acute inflammation

**Options :**

- 19088944937. 1
- 19088944938. 2
- 19088944939. 3
- 19088944940. 4

Question Number : 81 Question Id : 19088911262 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Slipped tendon in Chicken occurs due to deficiency of

- |                    |                    |
|--------------------|--------------------|
| (1) Copper (Cu)    | (2) Cobalt (Co)    |
| (3) Magnesium (Mg) | (4) Manganese (Mn) |

Options :

19088944941. 1

19088944942. 2

19088944943. 3

19088944944. 4

Question Number : 82 Question Id : 19088911263 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Match List I with List II

- | List I                            | List II                           |
|-----------------------------------|-----------------------------------|
| (A) Myasthenia gravis             | (I) Intrinsic factor              |
| (B) Autoimmune haemolytic anaemia | (II) Neonatal isoerythrolysis     |
| (C) Erythroblastosis foetalis     | (III) Acetylcholine receptor      |
| (D) Pernicious anaemia            | (IV) Erythrocyte membrane protein |

Choose the correct answer from the options given below :

- (1) (A)-(I), (B)-(II), (C)-(IV), (D)-(III)
- (2) (A)-(II), (B)-(IV), (C)-(III), (D)-(I)
- (3) (A)-(III), (B)-(IV), (C)-(II), (D)-(I)
- (4) (A)-(III), (B)-(II), (C)-(I), (D)-(IV)

Options :

19088944945. 1



19088944946. 2

19088944947. 3

19088944948. 4

**Question Number : 83 Question Id : 19088911264 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Functional inactivation of lymphocytes encountering an antigen is called as

- |                      |            |
|----------------------|------------|
| (1) Hypersensitivity | (2) Energy |
| (3) Immunodeficiency | (4) Anergy |

**Options :**

19088944949. 1

19088944950. 2

19088944951. 3

19088944952. 4

**Question Number : 84 Question Id : 19088911265 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

An example of delayed-type hypersensitivity is

- (1) Purpura haemorrhagica
- (2) Grave's disease
- (3) Chronic obstructive Pulmonary Disease
- (4) Allograft rejection

**Options :**

19088944953. 1

19088944954. 2

19088944955. 3

19088944956. 4

**Question Number : 85 Question Id : 19088911266 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Population of cells with different chromosomal Karyotypes in the same animal is referred to as

- |               |                   |
|---------------|-------------------|
| (1) Twins     | (2) Mosaicism     |
| (3) Chimerism | (4) Hermaphrodite |

**Options :**

19088944957. 1

19088944958. 2

19088944959. 3

19088944960. 4

**Question Number : 86 Question Id : 19088911267 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Given below are two statements :

Statement I : All gametes are abnormal when nondisjunction occurs in meiosis I

Statement II : There is 50% chance that normal gametes are formed when nondisjunction occurs in meiosis II

In the light of the above statements, choose the most appropriate answer from the options given below :

- (1) Both Statement I and Statement II are correct
- (2) Both Statement I and Statement II are incorrect
- (3) Statement I is correct but Statement II is incorrect
- (4) Statement I is incorrect but Statement II is correct

**Options :**



19088944961. 1

19088944962. 2

19088944963. 3

19088944964. 4

**Question Number : 87 Question Id : 19088911268 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

“White muscle disease” in cattle is caused by deficiency of

(1) Vit. A

(2) Vit. D

(3) Vit. C

(4) Vit. E

**Options :**

19088944965. 1

19088944966. 2

19088944967. 3

19088944968. 4

**Question Number : 88 Question Id : 19088911269 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Klinefelter syndrome is a disorder of sexual development with the abnormal chromosomes.

(1) X<sub>2</sub>

(2) XXY

(3) XX/XY

(4) XYY

**Options :**

19088944969. 1

19088944970. 2

19088944971. 3

19088944972. 4

**Question Number : 89 Question Id : 19088911270 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Mutation of which gene is not associated with neoplastic transformation of cells

- |                            |                     |
|----------------------------|---------------------|
| (1) Tumour suppressor gene | (2) Oncogene        |
| (3) Modifier gene          | (4) DNA repair gene |

**Options :**

19088944973. 1

19088944974. 2

19088944975. 3

19088944976. 4

**Question Number : 90 Question Id : 19088911271 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Given below are two statements :

Statement I: Tumour specific antigens are newly expressed molecules on neoplastic cell surface

Statement II: Tumour associated antigens are expressed in adult tissues only

In the light of the above statements, choose the correct answer from the options given below :

- (1) Both Statement I and Statement II are true
- (2) Both Statement I and Statement II are false
- (3) Statement I is correct but Statement II is false
- (4) Statement I is incorrect but Statement II is true

**Options :**

19088944977. 1

19088944978. 2

19088944979. 3



19088944980. 4

**Question Number : 91 Question Id : 19088911272 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which is NOT true with regards to tumour evasion of the immune system

- (1) Increased MHC expression by tumour cells
- (2) Antigen masking
- (3) Tolerance
- (4) Immunosuppression

**Options :**

19088944981. 1

19088944982. 2

19088944983. 3

19088944984. 4

**Question Number : 92 Question Id : 19088911273 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Iron can be demonstrated in tissues by the classical

- (1) Prussian blue reaction
- (2) DOPA reaction
- (3) Silver impregnation technique
- (4) Pyronin stain

**Options :**

19088944985. 1

19088944986. 2

19088944987. 3

19088944988. 4

**Question Number : 93 Question Id : 19088911274 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Deposition of which pigment may cause photosensitization

- |                 |               |
|-----------------|---------------|
| (1) Haematin    | (2) Porphyrin |
| (3) Haematoidin | (4) Melanin   |

**Options :**

19088944989. 1

19088944990. 2

19088944991. 3

19088944992. 4

**Question Number : 94 Question Id : 19088911275 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Salts of heavy metals are used in transmission electron microscopy for

- |                                    |                                    |
|------------------------------------|------------------------------------|
| (1) Negative staining of specimens | (2) Positive staining of specimens |
| (3) Fixation of specimens          | (4) Embedding of specimens         |

**Options :**

19088944993. 1

19088944994. 2

19088944995. 3

19088944996. 4

**Question Number : 95 Question Id : 19088911276 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



Which erythrocyte anomaly can NOT be termed as Poikilocytosis

- |                 |                 |
|-----------------|-----------------|
| (1) Acanthocyte | (2) Drepanocyte |
| (3) Macrocyte   | (4) Codocyte    |

**Options :**

19088944997. 1

19088944998. 2

19088944999. 3

19088945000. 4

**Question Number : 96 Question Id : 19088911277 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Given below are two statements :

Statement I: Benedict's, reagent can be used to detect sucrose

Statement II : Benedict's, reagent cannot be used to detect starch

In the light of the above statements, choose the correct answer from the options given below :

- (1) Both Statement I and Statement II are true
- (2) Both Statement I and Statement II are false
- (3) Statement I is correct but Statement II is false
- (4) Statement I is incorrect but Statement II is true

**Options :**

19088945001. 1

19088945002. 2

19088945003. 3

19088945004. 4

**Question Number : 97 Question Id : 19088911278 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

A recommended biomarker for Osteomalacia is

- (1) Alkaline phosphatase (ALP)
- (2) Creatine Kinase (CK)
- (3) Alanine transaminase (ALT)
- (4) Serum calcium

**Options :**

19088945005. 1

19088945006. 2

19088945007. 3

19088945008. 4

**Question Number : 98 Question Id : 19088911279 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Plasma cells that contain hyaline bodies (Russell bodies) in their cytoplasm are also called as

- (1) Kupffer cells
- (2) Codocytes
- (3) Mott cells
- (4) Corpora amylacea

**Options :**

19088945009. 1

19088945010. 2

19088945011. 3

19088945012. 4

**Question Number : 99 Question Id : 19088911280 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



Match List I with List II

List I	List II
(A) Ranula	(I) Cystic salivary duct distension
(B) Megaoesophagus	(II) Oesophageal ectasia
(C) Choke	(III) Oesophageal motility disorder
(D) Oesophageal achalasia	(IV) Oesophageal obstruction

Choose the correct answer from the options given below :

- (1) (A)-(I), (B)-(II), (C)-(IV), (D)-(III)
- (2) (A)-(II), (B)-(I), (C)-(III), (D)-(IV)
- (3) (A)-(III), (B)-(IV), (C)-(II), (D)-(I)
- (4) (A)-(IV), (B)-(III), (C)-(I), (D)-(II)

**Options :**

19088945013. 1

19088945014. 2

19088945015. 3

19088945016. 4

**Question Number : 100 Question Id : 19088911281 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Match List I with List II

List I	List II
(A) Telangiectasis	(I) Narrowing of bronchial lumen
(B) Steatosis	(II) Permanent bronchial dilation
(C) Bronchiectasis	(III) Hepatic sinusoidal dilation
(D) Bronchostenosis	(IV) Hepatocellular lipidosis

Choose the correct answer from the options given below :

- (1) (A)-(IV), (B)-(III), (C)-(I), (D)-(II)
- (2) (A)-(III), (B)-(IV), (C)-(II), (D)-(I)
- (3) (A)-(IV), (B)-(III), (C)-(II), (D)-(I)
- (4) (A)-(III), (B)-(IV), (C)-(I), (D)-(II)

**Options :**

19088945017. 1

19088945018. 2

19088945019. 3

19088945020. 4

**Question Number : 101 Question Id : 19088911282 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



Match List I with List II

List I	List II
(A) Bronchopneumonia (fibrinous)	(I) Multifocal, nodular
(B) Interstitial pneumonia	(II) Pleuritis, Cranioventral consolidation
(C) Granulomatous pneumonia	(III) Purulent, Cranioventral consolidation
(D) Bronchopneumonia (suppurative)	(IV) Diffuse, rubbery with rib impression

Choose the correct answer from the options given below :

- (1) (A)-(III), (B)-(IV), (C)-(I), (D)-(II)
- (2) (A)-(IV), (B)-(II), (C)-(I), (D)-(III)
- (3) (A)-(II), (B)-(I), (C)-(IV), (D)-(III)
- (4) (A)-(II), (B)-(IV), (C)-(I), (D)-(III)

**Options :**

19088945021. 1

19088945022. 2

19088945023. 3

19088945024. 4

**Question Number : 102 Question Id : 19088911283 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Match List I with List II

List I	List II
(A) Cloisonne kidney	(I) Anti glomerular basement membrane disease
(B) Polycystic kidney	(II) Ascending infection
(C) Immune mediated glomerulonephritis	(III) Dominant autosomal trait in Persian cats
(D) Pylonephritis	(IV) Ferritin and haemosiderin

Choose the correct answer from the options given below :

- (1) (A)-(IV), (B)-(III), (C)-(I), (D)-(II)
- (2) (A)-(IV), (B)-(I), (C)-(III), (D)-(II)
- (3) (A)-(II), (B)-(IV), (C)-(I), (D)-(III)
- (4) (A)-(III), (B)-(I), (C)-(II), (D)-(IV)

**Options :**

19088945025. 1

19088945026. 2

19088945027. 3

19088945028. 4

**Question Number : 103 Question Id : 19088911284 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



Match List I with List II

List I	List II
(A) Rinderpest	(I) Fibrinous bronchopneumonia
(B) Bluetongue	(II) Erosive lesions in oro pharyngeal-lingual mucosa
(C) <i>Rhodococcus equi</i>	(III) Necrotic vasculitis
(D) Mannheimiosis	(IV) Granulomatous pneumonia

Choose the correct answer from the options given below :

- (1) (A)-(II), (B)-(III), (C)-(I), (D)-(IV)
- (2) (A)-(III), (B)-(II), (C)-(IV), (D)-(I)
- (3) (A)-(II), (B)-(III), (C)-(IV), (D)-(I)
- (4) (A)-(III), (B)-(II), (C)-(I), (D)-(IV)

**Options :**

19088945029. 1

19088945030. 2

19088945031. 3

19088945032. 4

**Question Number : 104 Question Id : 19088911285 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Match List I with List II

List I	List II
(A) Actinobacillosis	(I) Blue tongue
(B) Actinomycosis	(II) Lumpy jaw
(C) Tetanus	(III) Lock jaw
(D) Orbivirus	(IV) Wooden tongue

Choose the correct answer from the options given below :

- (1) (A)-(III), (B)-(I), (C)-(II), (D)-(IV)
- (2) (A)-(III), (B)-(IV), (C)-(II), (D)-(I)
- (3) (A)-(IV), (B)-(II), (C)-(III), (D)-(I)
- (4) (A)-(II), (B)-(IV), (C)-(III), (D)-(I)

**Options :**

19088945033. 1

19088945034. 2

19088945035. 3

19088945036. 4

**Question Number : 105 Question Id : 19088911286 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



Match List I with List II

List I	List II
(A) <i>Clostridium perfringens</i> type D	(I) Petechial haemorrhage on kidneys
(B) Leptospirosis	(II) Glomerular endothelial nuclear inclusions
(C) Infectious canine hepatitis	(III) Cortical necrosis and interstitial nephritis
(D) Classical swine fever	(IV) Pulpy kidney

Choose the correct answer from the options given below :

- (1) (A)-(I), (B)-(IV), (C)-(III), (D)-(II)
- (2) (A)-(IV), (B)-(III), (C)-(I), (D)-(II)
- (3) (A)-(IV), (B)-(I), (C)-(III), (D)-(II)
- (4) (A)-(IV), (B)-(III), (C)-(II), (D)-(I)

**Options :**

19088945037. 1

19088945038. 2

19088945039. 3

19088945040. 4

**Question Number : 106 Question Id : 19088911287 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following is NOT a vertically transmitted disease in poultry

- (1) Salmonellosis
- (2) Avian encephalomyelitis
- (3) Marek's disease
- (4) Avian Leucosis

**Options :**

19088945041. 1

19088945042. 2

19088945043. 3

19088945044. 4

**Question Number : 107 Question Id : 19088911288 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following is NOT true for avian encephalomyelitis

- (1) Non-purulent encephalomyelitis
- (2) Tremors with progressive ataxia
- (3) Affects birds above 4 weeks of age
- (4) Lymphocytic infiltration in muscularis of ventriculus

**Options :**

19088945045. 1

19088945046. 2

19088945047. 3

19088945048. 4

**Question Number : 108 Question Id : 19088911289 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



Which of the options describe the correct sequences in life cycle of poultry colcidiosis?

- (A) Schizogony/Merogony (Asexual phase)
- (B) Oocysts shed in Faeces
- (C) Micro and macrogametes (sexual phase) formation
- (D) Coccidian Sporulated Oocysts are ingested
- (E) Sporozoites enter the intestinal mucosa

Choose the correct answer from the options given below :

- (1) (D), (E), (A), (C) and (B) only
- (2) (D), (A), (C), (E) and (B) only
- (3) (D), (E), (C), (A) and (B) only
- (4) (D), (A), (E), (C) and (B) only

**Options :**

19088945049. 1

19088945050. 2

19088945051. 3

19088945052. 4

**Question Number : 109 Question Id : 19088911290 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Haemorrhages on the proventriculus are NOT seen in

- (1) Newcastle disease
- (2) Salmonellosis
- (3) Avian Influenza
- (4) Infectious Bursal disease

**Options :**

19088945053. 1

19088945054. 2

19088945055. 3

19088945056. 4

**Question Number : 110 Question Id : 19088911291 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which disease agent does NOT primarily involve the respiratory system in poultry?

- |                                     |                             |
|-------------------------------------|-----------------------------|
| (1) <i>Mycoplasma gallisepticum</i> | (2) <i>Candida albicans</i> |
| (3) Newcastle disease virus         | (4) <i>Escherichia coli</i> |

**Options :**

19088945057. 1

19088945058. 2

19088945059. 3

19088945060. 4

**Question Number : 111 Question Id : 19088911292 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Given below are two statements :

Statement I : Normal plasma concentration of calcium is between 80 - 100 mg/dl of blood

Statement II : Hypocalcaemia is the cause of signs in parturient paresis

In the light of the above statements, choose the correct answer from the options given below :

- (1) Both Statement I and Statement II are true
- (2) Both Statement I and Statement II are false
- (3) Statement I is correct but Statement II is false
- (4) Statement I is incorrect but Statement II is true

**Options :**

19088945061. 1

19088945062. 2

19088945063. 3

19088945064. 4



**Question Number : 112 Question Id : 19088911293 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Given below are two statements :

Statement I : Ketosis is associated with inadequate glucose concentration in the blood.

Statement II : Negative energy balance leads to increased glycolysis

In the light of the above statements, choose the correct answer from the options given below :

- (1) Both Statement I and Statement II are true
- (2) Both Statement I and Statement II are false
- (3) Statement I is correct but Statement II is false
- (4) Statement I is incorrect but Statement II is true

**Options :**

19088945065. 1

19088945066. 2

19088945067. 3

19088945068. 4

**Question Number : 113 Question Id : 19088911294 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Bony disease in which endochondral ossification has been completed and characterized by excess uncalcified matrix is

- (1) Rickets
- (2) Osteomalacia
- (3) Osteopetrosis
- (4) Osteodystrophia fibrosa

**Options :**

19088945069. 1

19088945070. 2

19088945071. 3

19088945072. 4

**Question Number : 114 Question Id : 19088911295 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Given below are two statements :

Statement I : Zearalenone is a natural metabolite of *Aspergillus sp.*

Statement II : Zearalenone promotes signs of estrogenism as it binds to receptors for estradiol

In the light of the above statements, choose the correct answer from the options given below :

- (1) Both Statement I and Statement II are true
- (2) Both Statement I and Statement II are false
- (3) Statement I is correct but Statement II is false
- (4) Statement I is incorrect but Statement II is true

**Options :**

19088945073. 1

19088945074. 2

19088945075. 3

19088945076. 4

**Question Number : 115 Question Id : 19088911296 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



Match List I with List II

List I	List II
(A) Fluorosis	(I) Intranuclear inclusions in tubular epithelium
(B) Plumbism	(II) Neuropathy
(C) Organic mercurials	(III) Bones and teeth
(D) Copper	(IV) Gunmetal blue kidney and haemoglobinuria

Choose the correct answer from the options given below :

- (1) (A)-(I), (B)-(III), (C)-(IV), (D)-(II)
- (2) (A)-(II), (B)-(IV), (C)-(I), (D)-(III)
- (3) (A)-(III), (B)-(I), (C)-(II), (D)-(IV)
- (4) (A)-(IV), (B)-(II), (C)-(III), (D)-(I)

**Options :**

19088945077. 1

19088945078. 2

19088945079. 3

19088945080. 4

**Question Number : 116 Question Id : 19088911297 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

*Ergotism by Claviceps Purpurea Causes*

- (1) Gangrene of extremities
- (2) Haematuria
- (3) Neurotoxicity
- (4) Hepatotoxicity

**Options :**

19088945081. 1

19088945082. 2

19088945083. 3

19088945084. 4

Question Number : 117 Question Id : 19088911298 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Match List I with List II

List I	List II
(A) Oleander ( <i>Nerium Oleander</i> )	(I) Dicoumarol, interferes with vit-K
(B) Sweet clover ( <i>Melilotus sp.</i> )	(II) Teratogenic, cyclopa
(C) Bracken fern ( <i>Pteridium aquilinum</i> )	(III) Cardiac glycosides
(D) Hellebore ( <i>Veratrum californicum</i> )	(IV) Ptaquiloside, haematuria

Choose the correct answer from the options given below :

- (1) (A)-(I), (B)-(IV), (C)-(II), (D)-(III)
- (2) (A)-(II), (B)-(III), (C)-(I), (D)-(IV)
- (3) (A)-(III), (B)-(I), (C)-(IV), (D)-(II)
- (4) (A)-(IV), (B)-(II), (C)-(III), (D)-(I)

Options :

19088945085. 1

19088945086. 2

19088945087. 3

19088945088. 4

Question Number : 118 Question Id : 19088911299 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1



Given below are two statements :

Statement I : Wild canids carry the fluke *Nanophyetus salmincola*

Statement II : Snails carry the rickettsial agent *Neorickettsia helminthoeca*

In the light of the above statements, choose the correct answer from the options given below :

- (1) Both Statement I and Statement II are true
- (2) Both Statement I and Statement II are false
- (3) Statement I is correct but Statement II is false
- (4) Statement I is incorrect but Statement II is true

**Options :**

19088945089. 1

19088945090. 2

19088945091. 3

19088945092. 4

**Question Number : 119 Question Id : 19088911300 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

*Eimeria stiedae* causes

- |                                     |                                       |
|-------------------------------------|---------------------------------------|
| (1) Hepatic coccidiosis in rabbits  | (2) Hepatic coccidiosis in rats       |
| (3) Intestinal coccidiosis in birds | (4) Intestinal coccidiosis in rabbits |

**Options :**

19088945093. 1

19088945094. 2

19088945095. 3

19088945096. 4

**Question Number : 120 Question Id : 19088911301 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Rabbit haemorrhagic disease caused by Calicivirus is typified by

- |                                   |                        |
|-----------------------------------|------------------------|
| (1) Hepatic necrosis and jaundice | (2) Papillomatosis     |
| (3) Myxomatosis                   | (4) Mucoïd enteropathy |

**Options :**

19088945097. 1

19088945098. 2

19088945099. 3

19088945100. 4