

# National Testing Agency

<b>Question Paper Name :</b>	Veterinary Public Health and Epidemiology 17th September Shift 2
<b>Subject Name :</b>	Veterinary Public Health and Epidemiology
<b>Creation Date :</b>	2021-09-17 18:54:29
<b>Duration :</b>	120
<b>Total Marks :</b>	480
<b>Display Marks:</b>	Yes

## Veterinary Public Health and Epidemiology

<b>Group Number :</b>	1
<b>Group Id :</b>	19088997
<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>	190889215
<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>	190889255
<b>Question Shuffling Allowed :</b>	Yes

**Question Number : 1 Question Id : 19088910942 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 :**

19088943661. 1

19088943662. 2

19088943663. 3

19088943664. 4

**Question Number : 2 Question Id : 19088910943 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 :**

- 19088943665. 1
- 19088943666. 2
- 19088943667. 3
- 19088943668. 4

**Question Number : 3 Question Id : 19088910944 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 :**

- 19088943669. 1
- 19088943670. 2
- 19088943671. 3
- 19088943672. 4

**Question Number : 4 Question Id : 19088910945 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 :**

- 19088943673. 1
- 19088943674. 2
- 19088943675. 3

19088943676. 4

**Question Number : 5 Question Id : 19088910946 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 :**

19088943677. 1

19088943678. 2

19088943679. 3

19088943680. 4

**Question Number : 6 Question Id : 19088910947 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 :**

19088943681. 1

19088943682. 2

19088943683. 3

19088943684. 4

**Question Number : 7 Question Id : 19088910948 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 :**

19088943685. 1

19088943686. 2

19088943687. 3

19088943688. 4

**Question Number : 8 Question Id : 19088910949 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 :**

19088943689. 1

19088943690. 2

19088943691. 3

19088943692. 4

**Question Number : 9 Question Id : 19088910950 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 :**

19088943693. 1

19088943694. 2

19088943695. 3

19088943696. 4

**Question Number : 10 Question Id : 19088910951 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 :**

19088943697. 1

19088943698. 2

19088943699. 3

19088943700. 4

**Question Number : 11 Question Id : 19088910952 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 :**

19088943701. 1

19088943702. 2

19088943703. 3

19088943704. 4

**Question Number : 12 Question Id : 19088910953 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 :**

19088943705. 1

19088943706. 2

19088943707. 3

19088943708. 4

**Question Number : 13 Question Id : 19088910954 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 :**

19088943709. 1

19088943710. 2

19088943711. 3

19088943712. 4

**Question Number : 14 Question Id : 19088910955 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 :**

19088943713. 1

19088943714. 2

19088943715. 3

19088943716. 4

**Question Number : 15 Question Id : 19088910956 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 :**

19088943717. 1

19088943718. 2

19088943719. 3

19088943720. 4

**Question Number : 16 Question Id : 19088910957 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 :**

19088943721. 1

19088943722. 2

19088943723. 3

19088943724. 4

**Question Number : 17 Question Id : 19088910958 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 :**

19088943725. 1

19088943726. 2

19088943727. 3

19088943728. 4

**Question Number : 18 Question Id : 19088910959 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 :**

19088943729. 1

19088943730. 2

19088943731. 3

19088943732. 4

**Question Number : 19 Question Id : 19088910960 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 :**

19088943733. 1

19088943734. 2

19088943735. 3

19088943736. 4

**Question Number : 20 Question Id : 19088910961 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 :**

19088943737. 1

19088943738. 2

19088943739. 3

19088943740. 4

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

**Section Id :** 190889216

**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>	190889256
<b>Question Shuffling Allowed :</b>	Yes

**Question Number : 21 Question Id : 19088910962 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 :**

- 19088943741. 1
- 19088943742. 2
- 19088943743. 3
- 19088943744. 4

**Question Number : 22 Question Id : 19088910963 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 :**

19088943745. 1

19088943746. 2

19088943747. 3

19088943748. 4

**Question Number : 23 Question Id : 19088910964 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 :**

19088943749. 1

19088943750. 2

19088943751. 3

19088943752. 4

**Question Number : 24 Question Id : 19088910965 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) *Calliphoria*

**Options :**

19088943753. 1

19088943754. 2

19088943755. 3

19088943756. 4

Question Number : 25 Question Id : 19088910966 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 :

19088943757. 1

19088943758. 2

19088943759. 3

19088943760. 4

Question Number : 26 Question Id : 19088910967 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 :

19088943761. 1

19088943762. 2

19088943763. 3

19088943764. 4

Question Number : 27 Question Id : 19088910968 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 :**

19088943765. 1

19088943766. 2

19088943767. 3

19088943768. 4

**Question Number : 28 Question Id : 19088910969 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 :**

19088943769. 1

19088943770. 2

19088943771. 3

19088943772. 4

**Question Number : 29 Question Id : 19088910970 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 :**

19088943773. 1

19088943774. 2

19088943775. 3

19088943776. 4

**Question Number : 30 Question Id : 19088910971 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 :**

19088943777. 1

19088943778. 2

19088943779. 3

19088943780. 4

**Question Number : 31 Question Id : 19088910972 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 :**

19088943781. 1  
19088943782. 2  
19088943783. 3  
19088943784. 4

**Question Number : 32 Question Id : 19088910973 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 :**

19088943785. 1  
19088943786. 2  
19088943787. 3  
19088943788. 4

**Question Number : 33 Question Id : 19088910974 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 :**

19088943789. 1

19088943790. 2

19088943791. 3

19088943792. 4

**Question Number : 34 Question Id : 19088910975 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 :**

19088943793. 1

19088943794. 2

19088943795. 3

19088943796. 4

**Question Number : 35 Question Id : 19088910976 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 :**

19088943797. 1

19088943798. 2

19088943799. 3

19088943800. 4

**Question Number : 36 Question Id : 19088910977 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 :**

19088943801. 1

19088943802. 2

19088943803. 3

19088943804. 4

**Question Number : 37 Question Id : 19088910978 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 :**

19088943805. 1

19088943806. 2

19088943807. 3

19088943808. 4

**Question Number : 38 Question Id : 19088910979 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 :**

19088943809. 1

19088943810. 2

19088943811. 3

19088943812. 4

**Question Number : 39 Question Id : 19088910980 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 :**

19088943813. 1

19088943814. 2

19088943815. 3

19088943816. 4

**Question Number : 40 Question Id : 19088910981 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 :**

19088943817. 1

19088943818. 2

19088943819. 3

19088943820. 4

**Question Number : 41 Question Id : 19088910982 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 :**

- 19088943821. 1
- 19088943822. 2
- 19088943823. 3
- 19088943824. 4

**Question Number : 42 Question Id : 19088910983 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 :**

- 19088943825. 1
- 19088943826. 2
- 19088943827. 3
- 19088943828. 4

**Question Number : 43 Question Id : 19088910984 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 :**

- 19088943829. 1
- 19088943830. 2
- 19088943831. 3
- 19088943832. 4

**Question Number : 44 Question Id : 19088910985 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 :**

19088943833. 1

19088943834. 2

19088943835. 3

19088943836. 4

**Question Number : 45 Question Id : 19088910986 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 :**

19088943837. 1

19088943838. 2

19088943839. 3

19088943840. 4

**Question Number : 46 Question Id : 19088910987 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 :**

19088943841. 1

19088943842. 2

19088943843. 3

19088943844. 4

**Question Number : 47 Question Id : 19088910988 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 :**

19088943845. 1

19088943846. 2

19088943847. 3

19088943848. 4

**Question Number : 48 Question Id : 19088910989 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 :**

19088943849. 1

19088943850. 2

19088943851. 3

19088943852. 4

**Question Number : 49 Question Id : 19088910990 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 :**

19088943853. 1

19088943854. 2

19088943855. 3

19088943856. 4

**Question Number : 50 Question Id : 19088910991 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 :**

19088943857. 1

19088943858. 2

19088943859. 3

19088943860. 4

**Question Number : 51 Question Id : 19088910992 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 :**

19088943861. 1

19088943862. 2

19088943863. 3

19088943864. 4

**Question Number : 52 Question Id : 19088910993 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 :**

19088943865. 1

19088943866. 2

19088943867. 3

19088943868. 4

**Question Number : 53 Question Id : 19088910994 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 :**

19088943869. 1

19088943870. 2

19088943871. 3

19088943872. 4

**Question Number : 54 Question Id : 19088910995 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 :**

19088943873. 1

19088943874. 2

19088943875. 3

19088943876. 4

**Question Number : 55 Question Id : 19088910996 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 :**

19088943877. 1

19088943878. 2

19088943879. 3

19088943880. 4

**Question Number : 56 Question Id : 19088910997 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 :**

19088943881. 1

19088943882. 2

19088943883. 3

19088943884. 4

**Question Number : 57 Question Id : 19088910998 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 :**

19088943885. 1

19088943886. 2

19088943887. 3

19088943888. 4

**Question Number : 58 Question Id : 19088910999 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 :**

19088943889. 1

19088943890. 2

19088943891. 3

19088943892. 4

**Question Number : 59 Question Id : 19088911000 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 :**

19088943893. 1

19088943894. 2

19088943895. 3

19088943896. 4

**Question Number : 60 Question Id : 19088911001 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 :**

19088943897. 1

19088943898. 2

19088943899. 3

19088943900. 4

**Question Number : 61 Question Id : 19088911002 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 :**

19088943901. 1

19088943902. 2

19088943903. 3

19088943904. 4

**Question Number : 62 Question Id : 19088911003 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 :**

19088943905. 1

19088943906. 2

19088943907. 3

19088943908. 4

**Question Number : 63 Question Id : 19088911004 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 :**

19088943909. 1

19088943910. 2

19088943911. 3

19088943912. 4

**Question Number : 64 Question Id : 19088911005 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 :**

19088943913. 1

19088943914. 2

19088943915. 3

19088943916. 4

**Question Number : 65 Question Id : 19088911006 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 :**

19088943917. 1

19088943918. 2

19088943919. 3

19088943920. 4

**Question Number : 66 Question Id : 19088911007 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 :**

- 19088943921. 1
- 19088943922. 2
- 19088943923. 3
- 19088943924. 4

**Question Number : 67 Question Id : 19088911008 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 :**

- 19088943925. 1
- 19088943926. 2
- 19088943927. 3
- 19088943928. 4

**Question Number : 68 Question Id : 19088911009 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 :**

19088943929. 1

19088943930. 2

19088943931. 3

19088943932. 4

**Question Number : 69 Question Id : 19088911010 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 :**

19088943933. 1

19088943934. 2

19088943935. 3

19088943936. 4

**Question Number : 70 Question Id : 19088911011 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 :**

19088943937. 1

19088943938. 2

19088943939. 3

19088943940. 4

## Part C : Veterinary Public Health and Epidemiology

<b>Section Id :</b>	190889217
<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>	190889257
<b>Question Shuffling Allowed :</b>	Yes

Question Number : 71 Question Id : 19088911012 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1



What type of vertical transmission most likely to occur in case of avian *salmonellosis*

- (1) Transmission to the embryo
- (2) Germinative transmission
- (3) Ascending infection from genital canal
- (4) Infection at parturition

**Options :**

19088943941. 1

19088943942. 2

19088943943. 3

19088943944. 4

**Question Number : 72 Question Id : 19088911013 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
Factors for emergence of disease	Example
(A) Ecological changes	(I) Avian Influenza
(B) International travel	(II) Rabbit calicivirus
(C) Technology and Industry	(III) Rift vally fever
(D) Microbial adaptation and change	(IV) Creutzfeldt Jacob disease
	(V) Rat borne hantavirus

Choose the correct answer from the options given below :

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

**Options :**

19088943945. 1

19088943946. 2

19088943947. 3

19088943948. 4

**Question Number : 73 Question Id : 19088911014 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

When the disease is continuously present to a high level affecting all age groups equally then its occurrence is described as

- |              |              |
|--------------|--------------|
| (1) Epidemic | (2) Sporadic |
| (3) Endemic  | (4) Pandemic |

**Options :**

19088943949. 1

19088943950. 2

19088943951. 3

19088943952. 4

**Question Number : 74 Question Id : 19088911015 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

The host in which an infectious agent undergoes asexual development is termed as

- |                       |                   |
|-----------------------|-------------------|
| (1) Intermediate host | (2) Final host    |
| (3) Secondary host    | (4) Pandemic host |

**Options :**

19088943953. 1

19088943954. 2

19088943955. 3

19088943956. 4

**Question Number : 75 Question Id : 19088911016 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Virulence is the ability to cause

- |                      |                         |
|----------------------|-------------------------|
| (1) Clinical disease | (2) Severe disease      |
| (3) Immune response  | (4) Subclinical disease |

**Options :**

19088943957. 1

19088943958. 2

19088943959. 3

19088943960. 4

**Question Number : 76 Question Id : 19088911017 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Factors increasing the level of susceptibility in the host are known as

- |                         |                          |
|-------------------------|--------------------------|
| (1) Enabling factors    | (2) Predisposing factors |
| (3) Reinforcing factors | (4) Essential factors    |

**Options :**

19088943961. 1

19088943962. 2

19088943963. 3

19088943964. 4

**Question Number : 77 Question Id : 19088911018 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Arrange the following stages of epidemic curve in chronological order

- (A) Accretion
- (B) Progression
- (C) Regression
- (D) Decrescence

Choose the correct answer from the options given below :

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

**Options :**

19088943965. 1

19088943966. 2

19088943967. 3

19088943968. 4

**Question Number : 78 Question Id : 19088911019 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Headquarter of OIE is located at

- |            |            |
|------------|------------|
| (1) Rome   | (2) Paris  |
| (3) Geneva | (4) London |

**Options :**

19088943969. 1

19088943970. 2

19088943971. 3

19088943972. 4

**Question Number : 79 Question Id : 19088911020 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

The disease tuberculosis is an example of

- (A) Anthroozoonoses
- (B) Amphixenoses
- (C) Zooanthroponoses
- (D) Metazoonoses
- (E) Direct zoonoses

Choose the correct answer from the options given below :

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

**Options :**

19088943973. 1

19088943974. 2

19088943975. 3

19088943976. 4

**Question Number : 80 Question Id : 19088911021 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Sylvatic type of transmission cycle is observed in

- (A) Kyasanoor Forest Disease
- (B) Salmonellosis
- (C) Tularemia
- (D) Trichinellosis
- (E) Yellow Fever

Choose the most appropriate answer from the options given below :

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

**Options :**

19088943977. 1

19088943978. 2

19088943979. 3

19088943980. 4

**Question Number : 81 Question Id : 19088911022 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Match List I with List II

List I (Disease)	List II (Agent)
(A) Scrub typhus	(I) <i>Rickettsia typhi</i>
(B) Murine typhus	(II) <i>Rickettsia rickettsiae</i>
(C) Rocky mountain spotted fever	(III) <i>Rickettsia conori</i>
(D) Indian tick typhus	(IV) <i>Orientia tsutsugamushi</i>

Choose the correct answer from the options given below :

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

**Options :**

19088943981. 1

19088943982. 2

19088943983. 3

19088943984. 4

**Question Number : 82 Question Id : 19088911023 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

The causative agent of food borne brucellosis is

- (1) *Brucella abortus*
- (2) *Brucella melitensis*
- (3) *Brucella suis*
- (4) *Brucella ovis*

**Options :**

19088943985. 1

19088943986. 2

19088943987. 3

19088943988. 4

**Question Number : 83 Question Id : 19088911024 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Rhinosporidiosis is a zoonotic disease caused by

- |               |                |
|---------------|----------------|
| (1) Bacteria  | (2) Rickettsia |
| (3) Chlamydia | (4) Fungi      |

**Options :**

19088943989. 1

19088943990. 2

19088943991. 3

19088943992. 4

**Question Number : 84 Question Id : 19088911025 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Mantoux test is used in the diagnosis of

- |                     |               |
|---------------------|---------------|
| (1) Tuberculosis    | (2) Tularemia |
| (3) Haverhill fever | (4) Glanders  |

**Options :**

19088943993. 1

19088943994. 2

19088943995. 3

19088943996. 4

**Question Number : 85 Question Id : 19088911026 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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



The consumers of fish are likely to contract one or more of following diseases

- (A) Diphylobothriasis
- (B) Anisakiosis
- (C) Fasciolopsiosis
- (D) Pentastomiosis
- (E) Tungiasis

Choose the most appropriate answer from the options given below :

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

**Options :**

19088943997. 1

19088943998. 2

19088943999. 3

19088944000. 4

**Question Number : 86 Question Id : 19088911027 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

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

Test and slaughter policy is best suited for the control of

- (1) Rabies
- (2) Nocardiosis
- (3) Avian Influenza
- (4) Yellow Fever

**Options :**

19088944001. 1

19088944002. 2

19088944003. 3

19088944004. 4

**Question Number : 87 Question Id : 19088911028 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Given below are two statements :

Statement I : Pyruvate is added in microbiological media as an injury repair agent.

Statement II : Catalase and 3, 3'-thiodipropionic acid are also as effective as pyruvate for recovery of heat injured *Escherichia coli*.

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 :**

19088944005. 1

19088944006. 2

19088944007. 3

19088944008. 4

**Question Number : 88 Question Id : 19088911029 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Trichinosis is most commonly linked with consumption of

- (1) Pork
- (2) Beef
- (3) Chevon
- (4) Mutton

**Options :**

19088944009. 1

19088944010. 2

19088944011. 3

19088944012. 4

**Question Number : 89 Question Id : 19088911030 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Which is the gold standard method for detection of prion proteins?

- (1) Immuno histo chemistry method
- (2) Confirmation dependent immunoassay
- (3) Postmortem examination of dead animal
- (4) ELISA

**Options :**

19088944013. 1

19088944014. 2

19088944015. 3

19088944016. 4

**Question Number : 90 Question Id : 19088911031 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Which bacteria has been identified as the cause of neonatal necrotizing enterocolitis?

- (1) *Vibrio alginolyticus*
- (2) *Vibrio hollisac*
- (3) *Enterobacter sakazaki*
- (4) *Yersinia enterocolitica*

**Options :**

19088944017. 1

19088944018. 2

19088944019. 3

19088944020. 4

**Question Number : 91 Question Id : 19088911032 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

Which fungi produces citrinin mycotoxin?

- (1) *Penicillium citrinum* (2) *Alternaria citri*  
(3) *Alternaria alternata* (4) *Penicillium patulum*

Options :

19088944021. 1

19088944022. 2

19088944023. 3

19088944024. 4

Question Number : 92 Question Id : 19088911033 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
(Mould)	(Spoilage condition)
(A) <i>Thamnidium</i>	(I) Green patches
(B) <i>Cladosporium</i>	(II) White spot
(C) <i>Sporotrichum</i>	(III) Black spot
(D) <i>Penicillium</i>	(IV) Whiskers

Choose the correct answer from the options given below :

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

Options :

19088944025. 1

19088944026. 2

19088944027. 3

19088944028. 4

**Question Number : 93 Question Id : 19088911034 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Given below are two statements :

Statement I : Extract release volume technique is used for predicting refrigerator shelf-life.

Statement II : The meat of good organoleptic quality releases smaller volume of extract.

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 :**

19088944029. 1

19088944030. 2

19088944031. 3

19088944032. 4

**Question Number : 94 Question Id : 19088911035 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Which is the most common food source for gastroenteritis caused by *vibrio parahaemolyticus*?

- |                      |                             |
|----------------------|-----------------------------|
| (1) Poultry products | (2) Heat treated milk       |
| (3) Sea foods        | (4) Fermented milk products |

**Options :**

19088944033. 1

19088944034. 2

19088944035. 3

19088944036. 4

**Question Number : 95 Question Id : 19088911036 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

The meat animals belonging to the family Bovidae include

- (A) Cattle
- (B) Buffalo
- (C) Sheep
- (D) Mithun
- (E) Camel

Choose the correct answer from the options given below :

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

**Options :**

19088944037. 1

19088944038. 2

19088944039. 3

19088944040. 4

**Question Number : 96 Question Id : 19088911037 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

As per transport of animals regulation of India the railway wagon having area approximately 21.1 m<sup>2</sup> shall not accommodate sheep and goats in numbers more than

- |        |         |
|--------|---------|
| (1) 70 | (2) 100 |
| (3) 50 | (4) 45  |

**Options :**

19088944041. 1

19088944042. 2

19088944043. 3

19088944044. 4

**Question Number : 97 Question Id : 19088911038 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

The removal of major blood vessels from the carcass of animal is a requirement of slaughter by which of the following sects?

- |                |            |
|----------------|------------|
| (1) Mohammeden | (2) Jewish |
| (3) Hindu      | (4) Sikh   |

**Options :**

19088944045. 1

19088944046. 2

19088944047. 3

19088944048. 4

**Question Number : 98 Question Id : 19088911039 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) : Animals showing clinical signs of rabies are unfit for slaughter.

Reason (R) : There is no evidence that man can acquire rabies by eating the meat of affected animals.

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 but (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 :**

19088944049. 1

19088944050. 2

19088944051. 3

19088944052. 4

**Question Number : 99 Question Id : 19088911040 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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



Match List I with List II

List I (Organ)	List II (Lymph node)
(A) Head	(I) Mediastinal
(B) Lungs	(II) Parotid
(C) Uterus	(III) Portal
(D) Liver	(IV) Iliac

Choose the correct answer from the options given below :

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

**Options :**

19088944053. 1

19088944054. 2

19088944055. 3

19088944056. 4

**Question Number : 100 Question Id : 19088911041 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Read the following rigor mortis related statements carefully and identify the correct sentences

- (A) Rigor mortis starts from muscles of head and neck and then extends to rest of the body.
- (B) The pH begins to decline from 7.0 till 5.3 to 5.5
- (C) Faster the onset of rigor mortis faster it passes off
- (D) Alkaline rigor is characterised by a long delay period

Choose the most appropriate answer from the options given below :

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

**Options :**

- 19088944057. 1
- 19088944058. 2
- 19088944059. 3
- 19088944060. 4

**Question Number : 101 Question Id : 19088911042 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

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

The iodine value of carcass fat in loin area is highest in

- (1) Sheep
- (2) Goat
- (3) Cattle
- (4) Pig

**Options :**

- 19088944061. 1
- 19088944062. 2
- 19088944063. 3
- 19088944064. 4

**Question Number : 102 Question Id : 19088911043 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

The time required for destroying 90% of the organisms is denoted by

- |                        |             |
|------------------------|-------------|
| (1) Thermal death time | (2) D value |
| (3) Z value            | (4) F value |

**Options :**

19088944065. 1

19088944066. 2

19088944067. 3

19088944068. 4

**Question Number : 103 Question Id : 19088911044 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Detection of which group of bacteria is indicative of unhygienic conditions at Farm?

- |                |                   |
|----------------|-------------------|
| (1) Coliform   | (2) Thermophilic  |
| (3) Mesophilic | (4) Psychrophilic |

**Options :**

19088944069. 1

19088944070. 2

19088944071. 3

19088944072. 4

**Question Number : 104 Question Id : 19088911045 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Which psychrotropic bacteria is commonly associated with dried milk products?

- (1) *Alcaligenes faecalis* (2) *Hafnia* spp.  
(3) *Streptococcus epidermidis* (4) *Bacillus coagulans*

**Options :**

19088944073. 1

19088944074. 2

19088944075. 3

19088944076. 4

**Question Number : 105 Question Id : 19088911046 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Which milk product is subjected to sterility test for the purpose of its quality control?

- (1) Pasteurized milk (2) Raw milk  
(3) Condensed milk (4) UHT processed milk

**Options :**

19088944077. 1

19088944078. 2

19088944079. 3

19088944080. 4

**Question Number : 106 Question Id : 19088911047 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Given below are two statements :

Statement I : Alcohol-alizarin test is used to determine heat stability of milk.

Statement II : Alcohol-Alizarin test on milk sample showing lilac colour without presence of flakes is indicative of poor heat stability.

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 :**

19088944081. 1

19088944082. 2

19088944083. 3

19088944084. 4

**Question Number : 107 Question Id : 19088911048 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

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

Which is the most prominent characteristic of bacteriophage inhibiting culture media for starter cultures?

- (1) Media contains lactose
- (2) Media deficient of calcium ions
- (3) Media contains potassium hydrogen phosphate salt
- (4) Media contains sodium citrate

**Options :**

19088944085. 1

19088944086. 2

19088944087. 3

19088944088. 4

**Question Number : 108 Question Id : 19088911049 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

FSSAI has prescribed maximum permissible limit for the kind of aflatoxin in milk named :

- (A) B<sub>1</sub>
- (B) B<sub>1</sub> and B<sub>2</sub>
- (C) G<sub>1</sub> and G<sub>2</sub>
- (D) M<sub>1</sub>
- (E) G<sub>1</sub>

Choose the correct answer from the options given below :

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

**Options :**

19088944089. 1

19088944090. 2

19088944091. 3

19088944092. 4

**Question Number : 109 Question Id : 19088911050 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Which quality control test for detection of adulterants in milk uses bromothymol blue reagent?

- (1) Saccharin
- (2) Annato colour
- (3) Detergent
- (4) Urea

**Options :**

19088944093. 1

19088944094. 2

19088944095. 3

19088944096. 4

**Question Number : 110 Question Id : 19088911051 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

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

Which technique is used for detection of heavy metals in food products?

- (1) Chromatography
- (2) Atomic absorption spectrophotometry
- (3) Microbial inhibition assay
- (4) Radiometric methods

**Options :**

19088944097. 1

19088944098. 2

19088944099. 3

19088944100. 4

**Question Number : 111 Question Id : 19088911052 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

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

The Double Pot Method is suitable for the purification of

- (1) Sewage water
- (2) Domestic drinking water
- (3) River water
- (4) Well water

**Options :**

19088944101. 1

19088944102. 2

19088944103. 3

19088944104. 4

**Question Number : 112 Question Id : 19088911053 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Amongst the below mentioned methods of carcass disposal, which one is the most economical?

- |                  |                         |
|------------------|-------------------------|
| (1) Incineration | (2) Alkaline hydrolysis |
| (3) Burial       | (4) Composting          |

**Options :**

19088944105. 1

19088944106. 2

19088944107. 3

19088944108. 4

**Question Number : 113 Question Id : 19088911054 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) : Both slow sand filter and rapid sand filters are used for urban sewage water purification.

Reason (R) : Both of these methods can remove more than 99 percent of bacterial load.

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 but (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 :**

19088944109. 1



19088944110. 2

19088944111. 3

19088944112. 4

**Question Number : 114 Question Id : 19088911055 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

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

Which form of pneumoconiosis is caused by inhalation of coal dust?

(1) Asbestosis

(2) Anthracosis

(3) Byssinosis

(4) Bagassosis

**Options :**

19088944113. 1

19088944114. 2

19088944115. 3

19088944116. 4

**Question Number : 115 Question Id : 19088911056 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

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

Horrock's apparatus is used for

(1) Purification of air

(2) Monitoring of air pollution

(3) Monitoring of river pollution

(4) Disinfection of water

**Options :**

19088944117. 1

19088944118. 2

19088944119. 3

19088944120. 4

**Question Number : 116 Question Id : 19088911057 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Given below are two statements :

Statement I : The health education of people can be achieved by mass media but it is not suitable for people having below average educational level.

Statement II : Health education of people through personal communication provides the opportunity for involvement, for asking questions and learning more.

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 :**

19088944121. 1

19088944122. 2

19088944123. 3

19088944124. 4

**Question Number : 117 Question Id : 19088911058 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

As per the FSSAI regulations for *Salmonella* spp. in pasteurized milk

- (1) Organism should be absent in 25 ml of milk
- (2) Organism should be absent in 10 ml of milk
- (3) Organism numbers should be less than 10/gm of milk
- (4) Organism numbers should be less than 100/gm

**Options :**

19088944125. 1

19088944126. 2

19088944127. 3

19088944128. 4

**Question Number : 118 Question Id : 19088911059 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

As per FSSAI regulations, the maximum permissible limit for chlorpyrifos in milk is

- |                      |                 |
|----------------------|-----------------|
| (1) 0.02 mg/kg       | (2) 2.0 mg/kg   |
| (3) 2.0 microgram/kg | (4) 0.025 mg/kg |

**Options :**

19088944129. 1

19088944130. 2

19088944131. 3

19088944132. 4

**Question Number : 119 Question Id : 19088911060 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

What type of cage is suitable for housing of experimental animals from which urine and feces are collected and measured

- |                      |                     |
|----------------------|---------------------|
| (1) Shoebox cages    | (2) Suspended cages |
| (3) Metabolism cages | (4) Activity cages  |

**Options :**

19088944133. 1

19088944134. 2

19088944135. 3

19088944136. 4

**Question Number : 120 Question Id : 19088911061 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

What is the length of gestation in mice?

(1) 19 – 21 days

(2) 23 – 25 days

(3) 16 – 18 days

(4) 28 – 30 days

**Options :**

19088944137. 1

19088944138. 2

19088944139. 3

19088944140. 4