

## PREVIEW QUESTION BANK

Module Name : Veterinary Public Health and Epidemiology - 23-ENG  
Exam Date : 29-Jun-2024 Batch : 14:30-16:30

| Sr. No.            | Client Question ID | Question Body and Alternatives                                                                                                                                                                                                                                                                                               | Marks | Negative Marks |
|--------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------|
| Objective Question |                    |                                                                                                                                                                                                                                                                                                                              |       |                |
| 1                  | 201                | <p>Movement of DNA from one bacterium to another through a tubular bridge or pilus:</p> <ol style="list-style-type: none"> <li>1. Conjugation</li> <li>2. Transposition</li> <li>3. Transfection</li> <li>4. Transduction</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>                                 |       |                |
| Objective Question |                    |                                                                                                                                                                                                                                                                                                                              |       |                |
| 2                  | 202                | <p>Which of the following is responsible for eliminating toxic oxygen by-products from cells?</p> <ol style="list-style-type: none"> <li>1. Mitochondria</li> <li>2. Golgi complex</li> <li>3. Peroxisomes</li> <li>4. Chloroplasts</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>                       |       |                |
| Objective Question |                    |                                                                                                                                                                                                                                                                                                                              |       |                |
| 3                  | 203                | <p>A form of multiple parasitism in which a parasite preferentially attacks a host that is already parasitized by another species is known as</p> <ol style="list-style-type: none"> <li>1. Cleptoparasitism</li> <li>2. Ectoparasitoid</li> <li>3. Obligate parasitism</li> <li>4. Superparasitism</li> </ol> <p>A1 : 1</p> |       |                |

A2 : 2

A3 : 3

A4 : 4

## Objective Question

4 204

For mass multiplication of DD-136 nematode, the common host used is

1. Silk moth
2. Fruit sucking moth
3. Codling moth
4. Lesser wax moth

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

5 205

Chlorpyrifos methyl is effective against stored product insects except

1. *Rhizopertha dominica*
2. *Tribolium castaneum*
3. *Caryedon serratus*
4. *Oryzaephilus surinamensis*

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

6 206

Which of the following insects often cause inhalational allergies in human following large emergence of adult insects

1. Stick insects
2. May flies
3. Ear wigs
4. Preying mantis

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

7 207

Given below are two statements:

Statement (I): Climate is a weather condition related to smaller areas at a given place and at a given time,

Statement (II): Weather is a condition of atmosphere at a given place and at a given time

In 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.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

8 208

The local name of cyclone in Phillippines is

1. Hurricane
2. Cyclone
3. Baquio
4. Typhoon

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

9 209

Which one of the following are secondary tillage implements?

- (A). Subsoiler
- (B). Cultivator
- (C). Disc harrow
- (D). Wetland plough

Choose the **correct** answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

#### Objective Question

10 210

\_\_\_\_\_ is the most suitable, drought resistant and persistent grass?

- 1. *Alyosia sp.*
- 2. *Cenchrus ciliaris*
- 3. *Stylosanthes hamata*
- 4. *Sorghum bicolor*

A1 : 1

A2 : 2

A3 : 3

A4 : 4

#### Objective Question

11 211

The rainfed area in India is approximately

- 1. 30 mha
- 2. 40 mha
- 3. 57 mha
- 4. 70 mha

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

12 212

Which nutrient is often a limiting factor in agricultural production?

1. Nitrogen
2. Carbon
3. Oxygen
4. Hydrogen

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

13 213

What is a potential disadvantage of agroforestry systems?

1. Increased soil erosion
2. Decreased carbon sequestration
3. Reduced biodiversity
4. Enhanced susceptibility to pests

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

14 214

Pungency in mustard oil is due to

1. Amino acid
2. Allyl isothiocyanate
3. Erusic acid
4. Oxalic acid

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

15 215

Sesamum belongs to the family

1. Chenopodiaceae
2. Papilionaceae
3. Leguminosae
4. Pedaliaceae

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

16 216

Dark period is critical in which type of plant?

1. Short day plant
2. Long day plant
3. Day neutral plant
4. All the options

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

17 217

Which of the following is NOT a significant contributor to greenhouse gas emissions from livestock farming?

1. Carbon dioxide
2. Methane
3. Nitrous oxide
4. Ammonia

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

18 218

Fe deficiency is mostly seen in crops growing on

1. Calcareous or alkaline soils
2. Salt affected soils
3. Acidic soils
4. Neutral soils

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

19 219

EDV (Essentially Derived Varieties) are those which are derived from:

1. crossing two commercially known varieties
2. hybrid introduced from other countries
3. existing variety through genetic engineering or mutation
4. crossing commercially known variety with its wild relative

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

20 220

What is the role of "companion planting" in agriculture?

1. Enhancing soil fertility through crop rotation
2. Growing different crop species together to deter pests
3. Cultivating plants in hydroponic system
4. Increasing soil compaction through cover cropping

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

21 1601

Relationship is obligatory and permanent in:

1. Commensalism
2. Mutualism
3. Phoresis
4. Symbiosis

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

22 1602

Match **List-I** with **List-II**

| List-I                      | List-II                         |
|-----------------------------|---------------------------------|
| Name of the parasite        | Location in the definitive host |
| (A). <i>Gigantocotyle</i>   | (I). Small intestine            |
| (B). <i>Strongyloides</i>   | (II). Large intestine           |
| (C). <i>Elaeophora</i>      | (III). Liver                    |
| (D). <i>Oesophagostomum</i> | (IV). Blood                     |

Choose the **correct** answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

23 1603

Match **List-I** with **List-II**

| List-I                           | List-II                              |
|----------------------------------|--------------------------------------|
| Common name of the ecto parasite | Scientific name of the ecto parasite |
| (A). Cleg                        | (I). <i>Haematopota roralis</i>      |
| (B). Deer fly                    | (II). <i>Chrysops dispar</i>         |
| (C). Shaft louse                 | (III). <i>Lipeurus caponis</i>       |
| (D). Wing louse                  | (IV). <i>Menopon gallinae</i>        |

Choose the **correct** answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

24 1604

Earthworm acts as transport host for:

1. *Metastrongylus apri*
2. *Diectophyma renale*
3. *Syngamus trachea*
4. *Capillaria annulata*

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

25 1605

Which of the following statements **are correct** for lice?

- (A). They are wingless insects.
- (B). Body is laterally compressed.
- (C). Life cycle has complete metamorphosis.
- (D). They are very host-specific and site-specific.

Choose the **correct** answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

#### Objective Question

26 1606

Which of the following statements **are correct** regarding *Psoroptes* spp.?

- (A). They are also called burrowing mites.
- (B). Members are responsible for scab formation.
- (C). All legs are projected beyond body margin.
- (D). They are oval in shape with no scales and spines.

Choose the **correct** answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

#### Objective Question

27 1607

Drug of choice for tape worm infection is:

1. Piperazine
2. Triclabendazole
3. Rafoxanide
4. Praziquantel

A1 : 1

A2 : 2

A3 : 3

A4 : 4

#### Objective Question

28 1608

Type II hypersensitivity is involved in the pathogenesis of the following conditions:

- (A). Anaemia in malaria
- (B). Megacolon in chagas disease
- (C). Haemoglobinuria in babesiosis
- (D). Glomerulonephritis in malaria

Choose the **correct** answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

#### Objective Question

29 1609

Which among the followings **does not** come under crustacea-borne zoonoses?

1. *Angiostrongylus cantonensis*
2. *Dracunculus medinensis*
3. *Paragonimus westermanii*
4. *Opisthorchis tenuicollis*

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

30 1610

Poison baits are most effective in controlling:

1. Fleas

2. Lice

3. Bugs

4. House flies

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

31 1611

Match List-I with List-II

| List-I          | List-II                            |
|-----------------|------------------------------------|
| Vector          | Parasite                           |
| (A). Black fly  | (I). <i>Onchocerca gutturosa</i>   |
| (B). Cleg fly   | (II). <i>Haemoproteus columbae</i> |
| (C). Pigeon fly | (III). <i>Trypanosoma theileri</i> |
| (D). House fly  | (IV). <i>Habronema megastoma</i>   |

Choose the **correct** answer from the options given below:

1. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)

2. (A) - (I), (B) - (III), (C) - (II), (D) - (IV)

3. (A) - (II), (B) - (I), (C) - (IV), (D) - (III)

4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

32 1612

The abdomen has 'U'-shaped dark stripes extending from the 2<sup>nd</sup> to 4<sup>th</sup> segment, the coastal region of the wing is dark and a transverse band extends from the anterior to the posterior border in:

1. *Stomoxys* spp.
2. *Lucilia* spp.
3. *Tabanus* spp.
4. *Chrysops* spp.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

33 1613

Which among the followings **is not** a substituted phenol derivative?

1. Bithionol
2. Hexachlorophene
3. Niclosamide
4. Nitroxylnil

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

34 1614

Antimicrobial component(s) released in the cattle milk is/are:

- (A). Lactoferrin
- (B). Lactoperoxidase
- (C). IgA
- (D). Leucocytes

Choose the **correct** answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

#### Objective Question

35 1615

'Interior of udder' can be a source of following bacteria in the milk:

- (A). *Escherichia coli*
- (B). *Brucella abortus*
- (C). *Salmonella* Dublin
- (D). *Staphylococcus uberis*

Choose the **correct** answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

#### Objective Question

36 1616

HTST pasteurization time-temperature (72°C for 15 seconds) of milk is set to destruct:

1. *Mycobacterium tuberculosis*
2. *Mycobacterium bovis*
3. *Coxiella burnetii*
4. *Escherichia coli*

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

37 1617

Antemortem inspection judgement in Johne's disease is:

1. Fit to be slaughtered
2. Unfit to be slaughtered
3. Casualty slaughter
4. Emergency slaughter

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

38 1618

Virus family/families included under "viral haemorrhagic fever" is/are:

- (A). *Flaviviridae*
- (B). *Filoviridae*
- (C). *Bunyaviridae*
- (D). *Arenaviridae*

Choose the **correct** answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

39 1619

"Gold standard test" for the diagnosis of rabies in dead animals is:

1. Microscopic agglutination test
2. Interferon-gamma test
3. Enzyme Linked Immunosorbent Assay
4. Fluorescent antibody test

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

40 1620

Which of the following(s) **is/are true** for "Japanese encephalitis"?

- (A). It is transmitted by *Haemaphysalis spinigera* tick.
- (B). Pigs are the amplifier hosts in its life cycle.
- (C). Human is the dead-end host.
- (D). Horses are the dead-end hosts.

Choose the **correct** answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

41 1621

Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R).

Assertion (A) : *Coxiella burnetii* grows on embryonated eggs and not on blood agar.

Reason (R) : *Coxiella burnetii* is a an "energy parasite".

In 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.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

#### Objective Question

42 1622

The usual prevalence of a given disease within an area indicates that the disease in the region is:

1. Endemic
2. Epidemic
3. Pandemic
4. Sporadic

A1 : 1

A2 : 2

A3 : 3

A4 : 4

#### Objective Question

43 1623

ICAR-National Institute of Veterinary Epidemiology and Disease Informatics is located at:

1. Bengaluru
2. Pune
3. Bhopal
4. Kolkata

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

44 1624

Free chlorine in water is estimated by:

1. Presumptive coliform test
2. Differential coliform test
3. Ortho-toluidine test
4. Standard plate count test

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

45 1625

Arrange the following steps for "rapid sand filtration" of water for drinking purposes.

- (A). Coagulation and flocculation
- (B). Storage
- (C). Filtration
- (D). Chlorination

Choose the **correct** answer from the options given below:

1. (A), (B), (C), (D).
2. (B), (A), (D), (C).
3. (B), (A), (C), (D).
4. (C), (B), (D), (A).

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

46 1626

Scientist who developed phase-contrast microscopy for the first time was:

1. Edward Culpeper
2. Frits Zernike
3. Chester Moore Hall
4. Carl Zeiss

A1 : 1

A2 : 2

A3 : 3

A4 : 4

#### Objective Question

47 1627

Which among the followings are photoautotrophs?

1. Cyanobacteria, algae and fungi
2. Green bacteria, green plants and fungi
3. Purple bacteria, cyanobacteria and fungi
4. Green bacteria, purple bacteria, cyanobacteria and algae

A1 : 1

A2 : 2

A3 : 3

A4 : 4

#### Objective Question

48 1628

Which of the following bacteria are transmitted through flukes as vectors?

- (A). *Neorickettsia helminthoeca*
- (B). *Anaplasma phagocytophilum*
- (C). *Neorickettsia risticii*
- (D). *Neorickettsia elokominica*

Choose the **correct** answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

49 1629

Match List-I with List-II

| List-I                                 | List-II                           |
|----------------------------------------|-----------------------------------|
| Name of the <i>Clostridium</i> species | Disease condition                 |
| (A). <i>Clostridium septicum</i>       | (I). 'Big head' in young rams     |
| (B). <i>Clostridium novyi</i> type A   | (II). Abomasitis in lambs         |
| (C). <i>Clostridium novyi</i> type B   | (III). Malignant oedema in cattle |
| (D). <i>Clostridium sordellii</i>      | (IV). Black disease in sheep      |

Choose the **correct** answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

50 1630

Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R).

Assertion (A) : Rough salmonellae are highly serum sensitive as compared to their smooth ancestors.

Reason (R) : Mutants with defects in LPS (rough mutants) lack the 'O' antigen and are less virulent than their parents, which possess complete LPS, thus more susceptible to complement mediated killing, phagocytosis and killing by macrophages.

In 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.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

51 1631

Given below are two statements:

Statement (I): The first step in dealing with a possible human rabies exposure is thorough cleansing of the wound so the immediate vigorous washing and flushing with soap and water is crucial.

Statement (II): Rabies virus is non-enveloped and therefore, is potentially susceptible to detergents.

In light of the above statements, choose the *most appropriate* 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.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

52 1632

Newly synthesized virion of hepadnaviruses contain:

1. Fully double-stranded DNA
2. Fully double-stranded RNA
3. Partially double-stranded DNA
4. Fully single-stranded DNA

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

53 1633

Asfarviruses characteristically are:

- (A). Enveloped with small-sized (20nm) virions
- (B). Very resistant to a wide range of pH
- (C). Having a single molecule of linear double-stranded DNA as genome
- (D). Transmitted by soft ticks of the genus *Ornithodoros*

Choose the **correct** answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

54 1634

Which of the followings is **not true** about fungi belonging to *Mucor*.

- 1. Rhizoids are in between the origin of sporangiophores.
- 2. Apophyses are absent.
- 3. Sporangia are round with size of 50-300  $\mu\text{m}$ .
- 4. Sporangiophores are branched.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

55 1635

Match **List-I** with **List-II**

| List-I                  | List-II                                                    |
|-------------------------|------------------------------------------------------------|
| Name of the Interleukin | Function of Interleukin                                    |
| (A). IL-1               | (I). Stimulates T cell proliferation and cytotoxicity      |
| (B). IL-2               | (II). Key mediator of cell-mediated immune responses       |
| (C). IL-4               | (III). Proinflammatory mediator and a Th2 cell stimulator  |
| (D). Interferon-gamma   | (IV). Stimulates the growth and differentiation of B cells |

Choose the **correct** answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

#### Objective Question

56 1636

Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R).

Assertion (A) : Superantigens trigger a powerful T cell response.

Reason (R) : Superantigens do not bind to the antigen-binding groove of the MHC class II molecule but attach elsewhere on its surface and as a result, they bind to the T cell and the antigen-presenting cell together and because of this strong binding, there is powerful T cell response.

In 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.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

57 1637

Given below are two statements:

Statement (I): DNA vaccines have advantages that they can encode multiple immunogenic epitopes and evoke both humoral and cell-mediated immune responses but potential disadvantage is of integration of DNA into the host chromosome.

Statement (II): DNA vaccination strategies are successful even for evaluating non-protein based antigens, such as bacterial polysaccharides and lipids.

In light of the above statements, choose the *most appropriate* 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.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

58 1638

Which of the following bacterial vaccines would be best in terms of cost, ease of storage and transport?

1. Live-attenuated vaccines
2. Whole cell killed vaccines
3. Deletion mutant vaccines
4. Synthetic peptide vaccines

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

59 1639

First text book of pathology was written by:

1. John Hunter
2. Jean Fernel
3. Giovanni Battista Morgagni
4. Marie- Francois Xavier Bichat

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

60 1640

What is the term used for irreversible cell injury due to hypoxia and cell membrane damage?

1. Autolysis
2. Oncotic necrosis
3. Apoptosis
4. Pyroptosis

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

61 1641

Which of the following statements are **true** for bovine tuberculosis?

- (A) It is an acute as well as zoonotic disease of bovines.
- (B) It is caused by *Mycobacterium bovis*.
- (C) It is characterized by formation of pyogranulomatous lesions.
- (D) It is characterized by formation of caseo-calcifying granulomas in the affected organs.
1. (A) and (B) only.
  2. (A), (B) and (C) only.
  3. (A), (B) and (D) only
  4. (B) and (D) only.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

62 1642

Match List-I with List-II

| List-I          | List-II                                                                                                                       |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------|
| Term used       | Description of growth disturbance                                                                                             |
| (A). Metaplasia | (I). It is an abnormal pattern of tissue growth and is generally a pre-neoplastic lesion.                                     |
| (B). Dysplasia  | (II). Decrease in size of organ or tissue after it has reached its normal size.                                               |
| (C). Neoplasia  | (III). It is growth of new cells that proliferate without control, serve no useful function, and have no orderly arrangement. |
| (D). Atrophy    | (IV). It is a reversible change in which one adult cell type is replaced by another adult cell type of the same germ line.    |

Choose the **correct** answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

63 1643

Given below are two statements for edema, one is labelled as Assertion (A) and other one labelled as Reason (R).

Assertion (A) : Inflammatory edema is the excessive accumulation of fluid in tissue spaces and body cavities.

Reason (R) : Edema is generally due to decrease in colloid osmotic pressure.

In 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.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

64 1644

Sequence of events in the maturation of erythrocytes are:

- (A). Erythrocyte
- (B). Polychromatophilic rubricyte
- (C). Metarubricyte
- (D). Reticulocyte

Choose the **correct** answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

65 1645

"Crazy chick disease" in poultry is caused by the deficiency of:

- 1. Vitamin C
- 2. Vitamin B<sub>2</sub>
- 3. Vitamin K
- 4. Vitamin E

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

66 1646

Virulent Newcastle disease is caused by:

- (A). Velogenic strains
- (B). Enteric pathotype strains
- (C). Mesogenic strains
- (D). Lentogenic strains

Choose the **correct** answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

#### Objective Question

67 1647

Which among the followings can lead to chronic general passive hyperaemia?

- (A). Pneumothorax
- (B). Valvular stenosis
- (C). Myocardial infarction
- (D). Valvular insufficiency

Choose the **correct** answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

#### Objective Question

68 1648

Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R).

Assertion (A) : Cirrhosis is the term used for chronic inflammation of liver.

Reason (R) : It is characterized by massive fibrosis along with regeneration of hepatocytes.

In 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.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

69 1649

Which of the followings **is not true** regarding Rinderpest disease?

1. It is also called as cattle plague.
2. It is caused by Morbillivirus belonging to *Paramyxoviridae* family.
3. The disease is characterized by high morbidity but no mortality.
4. Characteristic zebra stripes are seen in the rectum of the animals died of this disease.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

70 1650

Which of the following statements **are true** for lymphoid leukosis?

- (A). It is also called as big liver disease.
- (B). It is caused by oncoviruses which are transmitted vertically.
- (C). The virus is cell associated and it causes neoplastic transformation of T lymphocytes.
- (D). The disease is seen in adult birds.

Choose the **correct** answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

#### Objective Question

71 1001201

Which of the following statements are **true**?

- (A). *Pseudomonas* produces heat-labile protease and lipase in milk.
- (B). Many strains of *Pseudomonas* are psychrotrophic.
- (C). *Pseudomonas* in pasteurized milk may come as a post-processing contaminant.
- (D). *Alcaligenes viscolactis* causes "ropiness" in milk.

Choose the **correct** answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

#### Objective Question

72 1001202

As per FSSAI, food regulatory standard of "Aflatoxin M1" in milk is:

1. 0.05 ppb
2. 0.5 ppb
3. 5 ppb
4. 50 ppb

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

73 1001203

Which among the following statements are **correct** regarding dairy industry?

- (A). The detergents used in dairy industry are frequently alkaline in nature.
- (B). Enzyme based detergents are available for cleaning and sterilization of dairy equipments.
- (C). 'Cleaning in Place' is frequently used procedure for cleaning and sterilization in dairy industry.
- (D). Chlorine and "quarternary ammonium compounds" are frequently used as chemical sanitizers in dairy industry.

Choose the **correct** answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

74 1001204

ISI mark is issued by:

1. FSSAI
2. BIS
3. AGMARK
4. ISO

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

75 1001205

Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R).

Assertion (A) : *Vibrio cholerae* can get entry into cattle milk by cattle faeces contamination and cause disease in humans.

Reason (R) : *Vibrio cholerae* is an exclusive animal enteropathogen, living in the intestine of cattle and by cattle faeces contamination, the bacterium may enter in the milk and cause infection to humans by raw milk consumption.

In 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. Both (A) and (R) are NOT correct.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

76 1001206

BIS standard for "Standard Plate Count" of pasteurized milk is upto:

1. 10000 cfu/ml
2. 20000 cfu/ml
3. 30000 cfu/ml
4. 40000 cfu/ml

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

77 1001207

Which among the following statements are **correct** for "Direct Microscopic Count" (DMC) of milk?

- (A). It is a long procedure and thus is not used as a platform test for milk.
- (B). It can not differentiate between live and dead bacterial cells.
- (C). In this test, staining is done with Newman stain.
- (D). Breed's pipette is used for this test.

Choose the **correct** answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

#### Objective Question

78 1001208

Which among the following statements are **true** for *Campylobacter jejuni* foodborne infection?

- (A). The infective dose of *Campylobacter jejuni* is  $10^8$ - $10^9$  bacteria.
- (B). Infection may lead to generalized paralysis called "Guillain-Barre Syndrome".
- (C). *Campylobacter jejuni* is not killed in pasteurization.
- (D). The bacterium lives in intestine of animals and humans.

Choose the **correct** answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

#### Objective Question

79 1001209

Consumption of raw fish may lead to transmission of following disease(s):

- (A). Taeniasis
- (B). Clonorchiasis
- (C). Anisakiasis
- (D). Echinococcosis

Choose the **correct** answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

#### Objective Question

80 1001210

Which of the followings are **true** for Botulism/*Clostridium botulinum*?

- (A). Outbreaks of Botulism are reported on consumption of canned foods.
- (B). *Clostridium botulinum* spores can germinate in intestines of infants.
- (C). Botulism leads to spastic paralysis.
- (D). Soil is a good reservoir of *Clostridium botulinum* spores.

Choose the **correct** answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

#### Objective Question

81 1001211

Which of the following statements are **correct** for "food preservation" by freezing?

- (A). Quick freezing lowers the temperature of foods to about -20°C within 30 minutes.
- (B). Slow freezing lowers the temperature of foods in 3-72 hours.
- (C). Quick freezing favours the formation of small intracellular ice crystals which is desired during freezing.
- (D). Slow freezing favours the formation of small intracellular ice crystals which is desired during freezing.

Choose the **correct** answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

#### Objective Question

82 1001212

Which of the following statements are **true** for *Enterohemorrhagic E. coli* (EHEC)?

- (A). EHEC infection may lead to invasive systemic diseases.
- (B). EHEC produces "Shiga-like toxins".
- (C). O157:H7 is a serotype belonging to EHEC.
- (D). EHEC O157:H7 is  $\beta$ -glucuronidase positive while other serotypes are negative.

Choose the **correct** answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

#### Objective Question

83 1001213

Poultry faeces can be a source of :

- (A). *Listeria monocytogenes* foodborne infection.
- (B). *Vibrio cholerae* foodborne infection.
- (C). *Camylobacter jejuni* foodborne infection.
- (D). *Salmonella* Enteritidis foodborne infection.

Choose the **correct** 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. (C) and (D) only.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

#### Objective Question

84 1001214

Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R).

Assertion (A) : The addition of salts in food is a food preservation strategy.

Reason (R) : Addition of salts lowers the water activity which suppresses the growth of microbes.

In 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.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

#### Objective Question

85 1001215

Match **List-I** with **List-II**

| List-I                              | List-II                              |
|-------------------------------------|--------------------------------------|
| Bacteria                            | Culture medium used                  |
| (A). <i>Salmonella</i> serotypes    | (I). Hektoen Enteric agar            |
| (B). <i>Clostridium perfringens</i> | (II). Baired Parker medium           |
| (C). <i>Staphylococcus aureus</i>   | (III). Butzler medium                |
| (D). <i>Campylobacter jejuni</i>    | (IV). Robertson's cooked meat medium |

Choose the **correct** answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

#### Objective Question

86 1001216

"World Zoonoses Day" is celebrated globally on:

1. 5<sup>th</sup> June
2. 6<sup>th</sup> July
3. 28<sup>th</sup> September
4. 3<sup>rd</sup> November

A1 : 1

A2 : 2

A3 : 3

A4 : 4

#### Objective Question

87 1001217

A bacterium has been grown in a culture medium and has released enterotoxins in the medium while growing, and the released enterotoxins can be detected with:

- (A). Enzyme linked immunosorbent assay
- (B). Bioassay
- (C). Microslide double diffusion
- (D). Radial immunoassay

Choose the *correct* answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

#### Objective Question

88 1001218

Match **List-I** with **List-II**

| List-I                              | List-II               |
|-------------------------------------|-----------------------|
| Name of the fungus                  | Mycotoxins produced   |
| (A). <i>Aspergillus flavus</i>      | (I). Aflatoxins       |
| (B). <i>Fusarium species</i>        | (II). Ergot alkaloids |
| (C). <i>Claviceps purpurea</i>      | (III). Ochratoxin     |
| (D). <i>Penicillium viridicatum</i> | (IV). Zearalenone     |

Choose the **correct** answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

89 1001219

HACCP was introduced by:

1. H.E.Bauman
2. Frans von Soxhlet
3. W. Edward Deming
4. Dr. Paul Lachance

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

90 1001220

Which of the following statements is **true** regarding toxicoinfection?

1. Consumption of food containing toxins is called foodborne toxicoinfection.
2. *Clostridium perfringens* comes under foodborne toxicoinfection.
3. *Staphylococcus aureus* comes under foodborne toxicoinfection.
4. *Clostridium botulinum* comes under foodborne toxicoinfection.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

91 1001221

Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R).

Assertion (A) : Histamine poisoning is associated with consumption of fish.

Reason (R) : Fishes feed on toxic algae and accumulate histamine in their tissues which is responsible for histamine poisoning in humans.

In 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.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

92 1001222

Given below are two statements:

Statement (I): *Listeria monocytogenes* is a psychrotroph.

Statement (II): *Yersinia enterocolitica* is a psychrotroph.

In light of the above statements, choose the *most appropriate* 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.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

93 1001223

Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R).

Assertion (A) : The selective identification of *E. coli* O157:H7 is based on the activity of  $\beta$ -glucuronidase activity.

Reason (R) : *E. coli* O157:H7 is  $\beta$ -glucuronidase negative while other *E. coli* are positive.

In 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.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

94 1001224

Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R).

Assertion (A) : HTST-pasteurization increases the shelf life of milk.

Reason (R) : HTST-pasteurization kills all spoilage causing microorganisms present in raw milk.

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.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

95 1001225

Gestation period of guinea pig is:

1. 16-22 days
2. 31-33 days
3. 59-72 days
4. 110-120 days

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

96 1001226

Given below are two statements:

Statement (I): Tuberculosis (TB) is detectable during postmortem inspection of buffalo meat.

Statement (II): Carcass is condemned totally when TB lesions are generalized.

In light of the above statements, choose the *most appropriate* 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.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

97 1001227

Which of the followings are the tests to determine meat adulteration/substitution?

- (A). Iodine test
- (B). Polyacrylamide gel electrophoresis
- (C). Iso-electric focusing
- (D). Polymerase chain reaction

Choose the **correct** answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

98 1001228

Given below are two statements:

Statement (I): Hazard analysis is an integral part of HACCP.

Statement (II): Hazard analysis involves two separate but related steps called 'Hazard identification' and 'Hazard evaluation'.

In light of the above statements, choose the *most appropriate* 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.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

99 1001229

Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R).

Assertion (A) : Dark firm and dry condition in meat is related to stress before slaughter.

Reason (R) : Stress depletes glycogen reserve leading to higher pH attained than the desirable pH.

In 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.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

100 1001230

Given below are two statements:

Statement (I): Microbiologically, "scalding tank method" is better over "vertical scalding method" in pig slaughtering.

Statement (II): In "scalding tank method", the chances of contamination of carcasses during scalding are lower than "vertical scalding method".

In light of the above statements, choose the *most appropriate* 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.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

101 1001231

On the basis of maintenance in nature, Taeniasis can be classified under:

1. Direct zoonoses
2. Cyclozoonoses
3. Metazoonoses
4. Saprozoonoses

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

102 1001232

Zoonotic diseases, having origin from Primates are:

- (A). Herpes simiae virus
- (B). Yellow fever
- (C). Dengue fever
- (D). Monkeypox

Choose the **correct** answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

103 1001233

Which of the following statements are **true** for tuberculosis?

- (A). India has the highest burden of human tuberculosis cases (*M. tuberculosis*) in the world.
- (B). *Mycobacterium tuberculosis* can be transmitted to the cattle.
- (C). *Mycobacterium bovis* can be transmitted to the humans.
- (D). Comparative intra-dermal test used routinely in cattle, involves administration of *M. tuberculosis* PPD and *M. bovis* PPD.

Choose the **correct** answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

#### Objective Question

104 1001234

Which of the following statements are **true** for "Kyasanur Forest Disease" (KFD)?

- (A). It is a mosquito-borne viral disease.
- (B). Rodents are the natural reservoirs of KFD virus.
- (C). In KFD, deaths in monkeys are reported.
- (D). *Aedes albopictus* mosquito is vector for KFD.

Choose the **correct** answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

#### Objective Question

105 1001235

Which of the following statements are **true** for *Taenia solium*?

- (A). Humans are the definitive hosts of *Taenia solium*.
- (B). Humans may act as intermediate hosts of *Taenia solium*.
- (C). Pigs are the definitive hosts of *Taenia solium*.
- (D). Pigs are the intermediate hosts of *Taenia solium*.

Choose the **correct** answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

#### Objective Question

106 1001236

Match **List-I** with **List-II**

| List-I                     | List-II                     |
|----------------------------|-----------------------------|
| Disease                    | Vaccine used                |
| (A). Yellow fever          | (I). SA 14-14-2             |
| (B). Japanese Encephalitis | (II). 17-D                  |
| (C). Anthrax               | (III). Sterne spore vaccine |
| (D). Tuberculosis          | (IV). BCG                   |

Choose the **correct** answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

107 1001237

Which of the following statements are **true** for Chlamydiosis?

- (A). Blood agar is used to isolate *Chlamydia psittaci*.
- (B). *Chlamydia psittaci* has stages of "Reticulate bodies" and "Elementary bodies" in the life cycle.
- (C). Psittacine birds are reservoirs of *Chlamydia psittaci*.
- (D). In humans, *Chlamydia psittaci* infection may cause hepatitis and endocarditis.

Choose the **correct** answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

108 1001238

Which of the following statement(s) is/are **true** regarding representation of disease data?

- (A). Temporal pattern represents the disease data in relation to time.
- (B). Temporal pattern represents the disease data in relation to temperate zones.
- (C). Spatial pattern represents the disease data in relation to time.
- (D). Spatial pattern represents the disease data in relation to space.

Choose the **correct** answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

|     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 109 | 1001239 | <p>"If a factor is common to a number of different circumstances in which a disease is present, then the factor may be the cause of the disease", and such a method of formation of "Causal Hypothesis" is known as:</p> <ol style="list-style-type: none"><li>1. Method of Agreement</li><li>2. Method of Difference</li><li>3. Method of Analogy</li><li>4. Method of Concomitant Variation</li></ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p> |
|-----|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Objective Question

|     |         |                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 110 | 1001240 | <p>If a group exposed to the factors is compared with a group not exposed to the factors with respect to the development of a disease, then such type of epidemiological study is known as:</p> <ol style="list-style-type: none"><li>1. Cohort study</li><li>2. Case-control study</li><li>3. Cross-sectional study</li><li>4. Comparable study</li></ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p> |
|-----|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Objective Question

|     |         |                                                                                                                                                                                                                                                                                                                                                       |
|-----|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 111 | 1001241 | <p>When sampling units have <b>not</b> the equal chances of being selected, then that sampling strategy is known as:</p> <ol style="list-style-type: none"><li>1. Simple random sampling</li><li>2. Stratified sampling</li><li>3. Cluster sampling</li><li>4. Convenience sampling</li></ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p> |
|-----|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Objective Question

112 1001242

Which of the following statements are **true** regarding "Relative Risk"?

- (A). Relative Risk is a measure to determine association between a hypothesized exposure and disease.
- (B). It is computed by dividing the risk of disease in unexposed individuals to the risk of disease in exposed individuals.
- (C). Relative Risk of  $>1$  means exposed individuals have higher risk for disease than unexposed individuals.
- (D). Relative Risk is not a good measure in case-control studies.

Choose the **correct** answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

113 1001243

A test is applied to diagnose a disease in an animal, so the probability that the animal, negative in the test, is truly non-diseased is called:

- 1. Diagnostic Sensitivity
- 2. Diagnostic Specificity
- 3. Positive Predictive Value
- 4. Negative Predictive Value

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

114 1001244

The establishment of "*The Office International des Epizooties* (OIE)", now called "World Organization for Animal Health", is linked to the concern about a disease called:

1. Foot-and-mouth disease
2. Rinderpest
3. African swine fever
4. Avian influenza

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

115 1001245

Chemical used to neutralize chlorine present in water is:

1. Copper sulphate
2. Alum
3. EDTA
4. Sodium Thiosulphate

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

116 1001246

Pneumoconiosis associated with inhalation of "Coal Dust" is called:

1. Bagassosis
2. Byssinosis
3. Silicosis
4. Anthracosis

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

|     |         |                                                                                                                                                                                                                                                                            |
|-----|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 117 | 1001247 | <p>WHO has set the maximum permissible concentration of "Lead" in the drinking water as:</p> <ol style="list-style-type: none"><li>1. 10 µg/L</li><li>2. 30 µg/L</li><li>3. 100 µg/L</li><li>4. 300 µg/L</li></ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p> |
|-----|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Objective Question

|     |         |                                                                                                                                                                                                                                                               |
|-----|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 118 | 1001248 | <p>Release of radioactivity into the atmosphere from nuclear explosions is known as:</p> <ol style="list-style-type: none"><li>1. Soot</li><li>2. Smust</li><li>3. Mist</li><li>4. Fall out</li></ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p> |
|-----|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Objective Question

|     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 119 | 1001249 | <p>Arrange the followings steps into sequential order for the isolation of <i>Salmonella</i> Typhimurium.</p> <p>(A). Selective plating on Hektoen enteric agar.</p> <p>(B). Enrichment in "Tetrathionate broth".</p> <p>(C). Pre-enrichment in "Buffered Peptone Water".</p> <p>(D). Gram's staining and biochemical testing.</p> <p>Choose the <b>correct</b> answer from the options given below:</p> <ol style="list-style-type: none"><li>1. (A), (B), (C), (D).</li><li>2. (B), (A), (C), (D).</li><li>3. (C), (B), (A), (D).</li><li>4. (C), (B), (D), (A).</li></ol> <p>A1 : 1</p> |
|-----|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|  |  |        |
|--|--|--------|
|  |  | A2 : 2 |
|  |  | A3 : 3 |
|  |  | A4 : 4 |

Objective Question

|     |         |                                                                                                                                                                                                                                                                                                                                                            |
|-----|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 120 | 1001250 | <p>The abbreviation KAP studies means:</p> <ol style="list-style-type: none"><li>1. Knowledge, Attitude, Participatory studies</li><li>2. Knowledge, Attitude, Practice studies</li><li>3. Knowledge, Awareness, Participatory studies</li><li>4. Knowledge, Awareness, Practice studies</li></ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p> |
|-----|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|