

National Testing Agency

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VETERINARY AND ANIMAL SCIENCES II

Group Number : 1
Group Id : 55317238
Group Maximum Duration : 0
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Break time: 0
Group Marks: 800

Part A : General Knowledge

Section Id : 55317261
Section Number : 1
Section type : Online
Mandatory or Optional: Mandatory
Number of Questions: 20
Number of Questions to be attempted: 20
Section Marks: 80
Display Number Panel: Yes
Group All Questions: No

Sub-Section Number: 1
Sub-Section Id: 55317283
Question Shuffling Allowed : Yes

Question Number : 1 Question Id : 5531726715 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

There is a parliamentary system of Government in India because the

- (1) Lok Sabha is elected directly by the people.
- (2) Parliament can amend the Constitution.
- (3) Rajya Sabha cannot be dissolved.
- (4) Council of the ministers are responsible to the Lok Sabha.

Options :

55317226801. 1
55317226802. 2
55317226803. 3
55317226804. 4

Question Number : 2 Question Id : 5531726716 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Gilt – edged market refers to

- (1) Bullion market
- (2) Market of Govt. Securities
- (3) Market of guns
- (4) Market of pure metals

Options :

55317226805. 1
55317226806. 2
55317226807. 3
55317226808. 4

Question Number : 3 Question Id : 5531726717 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following is known as the 'Coffee Port' of the world?

- (1) Sao Paulo
- (2) Santos
- (3) Rio de Janeiro
- (4) Buenos Aires

Options :

55317226809. 1
55317226810. 2
55317226811. 3
55317226812. 4

Question Number : 4 Question Id : 5531726718 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

For increasing milk production, which state launched Rs.215 crore project 'Milk Mission' in July, 2018?

- (1) Meghalaya
- (2) Assam
- (3) Tripura
- (4) Nagaland

Options :

55317226813. 1
55317226814. 2
55317226815. 3
55317226816. 4

Question Number : 5 Question Id : 5531726719 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following is the main characteristic of mixed farming?

- (1) Cultivation of both cash crops and food crops.
- (2) Cultivation of two or more crops in the same field.
- (3) Cultivation of crops and rearing of animals together.
- (4) Cultivation of fruits and vegetables.

Options :

55317226817. 1

55317226818. 2

55317226819. 3

55317226820. 4

Question Number : 6 Question Id : 5531726720 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

When you travel in certain parts of India, you will notice red soils. What is the main reason for this colour?

- (1) Abundance of magnesium
- (2) Accumulated humus
- (3) Presence of ferric oxides
- (4) Abundance of phosphates

Options :

55317226821. 1

55317226822. 2

55317226823. 3

55317226824. 4

Question Number : 7 Question Id : 5531726721 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following sets of elements were primarily responsible for the origin of life on the earth?

- (1) Carbon, Hydrogen, Nitrogen
- (2) Hydrogen, Oxygen, Sodium
- (3) Oxygen, Calcium, Phosphorous
- (4) Carbon, Hydrogen, Potassium

Options :

55317226825. 1

55317226826. 2

55317226827. 3

55317226828. 4

Question Number : 8 Question Id : 5531726722 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following statement is NOT true?

- (1) Khaira is a disease found in paddy.
- (2) False smut is a disease found in barley.
- (3) Rust disease is found in wheat.
- (4) Early blight is a disease found in potato.

Options :

55317226829. 1
55317226830. 2
55317226831. 3
55317226832. 4

Question Number : 9 Question Id : 5531726723 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Golden rice variety has been developed to combat the deficiency of

- (1) Iron
- (2) Vitamin C
- (3) Calcium
- (4) Vitamin A

Options :

55317226833. 1
55317226834. 2
55317226835. 3
55317226836. 4

Question Number : 10 Question Id : 5531726724 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

A person of mixed European and Indian blood in Latin America is called a

- (1) Mulato
- (2) Mestizo
- (3) Meiji
- (4) Mau Mau

Options :

55317226837. 1
55317226838. 2
55317226839. 3
55317226840. 4

Question Number : 11 Question Id : 5531726725 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In the context of International Trade 'Early Harvest Package' refers to

- (1) A precursor to a free trade agreement between two trading partners.
- (2) A clause related to the agreement on agriculture under the WTO.
- (3) A subsidy mechanism given to the developing countries for trade in agriculture.
- (4) A transportation agreement signed between countries for the movement of goods.

Options :

55317226841. 1
55317226842. 2
55317226843. 3

55317226844. 4

Question Number : 12 Question Id : 5531726726 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The nitrogen present in atmosphere is

- (1) of no use to plants
- (2) injurious to plants
- (3) directly utilized by the plants
- (4) utilized through micro organism

Options :

55317226845. 1

55317226846. 2

55317226847. 3

55317226848. 4

Question Number : 13 Question Id : 5531726727 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Agricultural Scientist M.S. Swaminathan received an honorary medallion from India for his contribution towards the development of agricultural practices from which country?

- (1) Canada
- (2) Australia
- (3) New Zealand
- (4) Mexico

Options :

55317226849. 1

55317226850. 2

55317226851. 3

55317226852. 4

Question Number : 14 Question Id : 5531726728 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

ICAR, New Delhi has identified three BT cotton varieties for cultivation in Punjab, Haryana and Rajasthan; which were developed by Punjab Agricultural University (PAU), Ludhiana recently. Which one of the following is NOT among those three?

- (1) PAU BT - 1
- (2) BT -1861
- (3) F - 1861
- (4) RS – 2013

Options :

55317226853. 1

55317226854. 2

55317226855. 3

55317226856. 4

Question Number : 15 Question Id : 5531726729 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Most abundant Carbohydrate in the world is

- (1) Pectin
- (2) Rubisco
- (3) Hemicellulose
- (4) Cellulose

Options :

55317226857. 1

55317226858. 2

55317226859. 3

55317226860. 4

Question Number : 16 Question Id : 5531726730 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following is known as queen of spices?

- (1) Clove
- (2) Pepper
- (3) Nutmeg
- (4) Cardamom

Options :

55317226861. 1

55317226862. 2

55317226863. 3

55317226864. 4

Question Number : 17 Question Id : 5531726731 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In which city has NABARD launched South East Asia's first centre for 'Climate Change'?

- (1) Jaipur
- (2) Patna
- (3) Lucknow
- (4) Chennai

Options :

55317226865. 1

55317226866. 2

55317226867. 3

55317226868. 4

Question Number : 18 Question Id : 5531726732 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

World Bank assisted project SMART was launched in

- (1) Rajasthan
- (2) Gujarat
- (3) Maharashtra
- (4) Punjab

Options :

55317226869. 1
55317226870. 2
55317226871. 3
55317226872. 4

Question Number : 19 Question Id : 5531726733 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

National Research Centre for grapes is located at

- (1) Nashik
- (2) Pune
- (3) Muzaffarpur
- (4) Lucknow

Options :

55317226873. 1
55317226874. 2
55317226875. 3
55317226876. 4

Question Number : 20 Question Id : 5531726734 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The National Milk Day which marks the birth anniversary of father of White Revolution Dr. Verghese Kurien is celebrated on

- (1) November 23
- (2) November 24
- (3) November 25
- (4) November 26

Options :

55317226877. 1
55317226878. 2
55317226879. 3
55317226880. 4

Part B : VETERINARY AND ANIMAL SCIENCES II

Section Id :	55317262
Section Number :	2
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	180
Number of Questions to be attempted:	180
Section Marks:	720
Display Number Panel:	Yes
Group All Questions:	No

Sub-Section Number:	1
Sub-Section Id:	55317284
Question Shuffling Allowed :	Yes

Question Number : 21 Question Id : 5531726735 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The most economical way to control the nasal schistosomiasis in working bullocks is

- (1) Hay (or) silage making of metacercaria infected herbage
- (2) Avoid drinking of water directly from snail habitated ponds
- (3) Application of anti-cercarial creams to the exposed parts of the animal body
- (4) Allowing animals to drink 24 hour stored water.

Options :

55317226881. 1

55317226882. 2

55317226883. 3

55317226884. 4

Question Number : 22 Question Id : 5531726736 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

An organism's brain is under the control of another organism (parasite). Identify the most likely parasite involved

- (1) Oriental fluke
- (2) Lancet fluke
- (3) Lung fluke
- (4) Liver fluk

Options :

55317226885. 1

55317226886. 2

55317226887. 3

55317226888. 4

Question Number : 23 Question Id : 5531726737 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Acetabulum is larger in size, when compared to oral sucker in all the following flukes, EXCEPT

- (1) *Eurytrema pancreaticum*
- (2) *Prosthogonimus pellucidus*
- (3) *Fasciolopsis buski*
- (4) *Schistosoma nasale*.

Options :

55317226889. 1

55317226890. 2

55317226891. 3

55317226892. 4

Question Number : 24 Question Id : 5531726738 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following genus is NOT classified under the family Anoplocephalidae?

- (1) *Moniezia*
- (2) *Avitellina*
- (3) *Cittotaenia*
- (4) *Bertiella*

Options :

55317226893. 1

55317226894. 2

55317226895. 3

55317226896. 4

Question Number : 25 Question Id : 5531726739 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Choose the correct answer from the following options in relation to location of coenurus cyst in the central nervous system of sheep and the neurological clinical signs :

Cyst location	Neurological sign
1. Parietal surface of cerebral hemispheres	(a) Head is held against chest and animal steps high
2. Anterior part of brain	(b) Animal is hyperaesthetic and prostrate
3. Cyst in cerebellum	(c) Paresis of hind limbs
4. Cyst in spinal cord	(d) Holds head to one side and turns in a circle towards affected side

Select the correct option:

- (1) 1-d 2-a 3-b 4-c
- (2) 1-c 2-b 3-d 4-a
- (3) 1-a 2-d 3-c 4-b
- (4) 1-b 2-c 3-a 4-d

Options :

55317226897. 1

55317226898. 2

55317226899. 3

55317226900. 4

Question Number : 26 Question Id : 5531726740 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The drug of choice for *Cryptosporidium parvum* infection in humans and animals in the present-day scenario is

- (1) Paromomycin
- (2) Metronidazole
- (3) Nitazoxanide
- (4) Erythromycin

Options :

55317226901. 1

55317226902. 2

55317226903. 3

55317226904. 4

Question Number : 27 Question Id : 5531726741 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Identify the nematodes, where the eggs do not hatch and are ingested by the intermediate host

- (1) Filaroides
- (2) Spirurids
- (3) Metastrongylids
- (4) *Habronema* spp.

Options :

55317226905. 1

55317226906. 2

55317226907. 3

55317226908. 4

Question Number : 28 Question Id : 5531726742 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Due to heavy *Toxocara canis* infection, the whole litter of puppies died. The most likely way of transmission of infection to puppies is

- (1) Ingestion of eggs
- (2) Predatorism
- (3) Prenatal infection
- (4) Lactogenic route

Options :

55317226909. 1

55317226910. 2

55317226911. 3

55317226912. 4

Question Number : 29 Question Id : 5531726743 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The hypothetical phenomenon of an increase in periparturient rise in faecal egg output in *Haemonchus contortus* is due to the

- (1) Relaxation of host immunity due to the changes in prolactin
- (2) Increased peripheral blood lymphocytes due to resultant antigen and phytomitogen induced blastogenesis
- (3) Temporary decrease in immunity due to physiological pregnancy stress
- (4) Inheritance characters of lymphocyte responsiveness in host

Options :

55317226913. 1

55317226914. 2

55317226915. 3

55317226916. 4

Question Number : 30 Question Id : 5531726744 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

During post-mortem examination of a calf, it was noticed that lungs had atelectatic areas, bronchi contained mucus mixed with blood and emphysema; tentatively the parasitic infection may be of

- (1) *Dictyocaulus filaria*
- (2) *Dictyocaulus viviparus*
- (3) *Muellerius capillaris*
- (4) *Angiostrongylus vasorum*

Options :

55317226917. 1

55317226918. 2

55317226919. 3

55317226920. 4

Question Number : 31 Question Id : 5531726745 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In a village, most children are frequently ill with typhoid, poliomyelitis, ascariasis and amoebic dysentery. The possible mechanical transmitter is

- (1) Horse fly
- (2) House fly
- (3) Biting house fly
- (4) Flesh fly

Options :

55317226921. 1

55317226922. 2

55317226923. 3

55317226924. 4

Question Number : 32 Question Id : 5531726746 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Fly larvae were collected from a variety of animals with maggot infested wound cases. Based on the morphology of posterior spiracles, identify the correct pair from the following options

- | | |
|----------------------|--|
| 1. <i>Chrysomia</i> | (a) complete peritreme, button present and 3 slits |
| 2. <i>Lucilia</i> | (b) incomplete peritreme, button present and 2 slits |
| 3. <i>Calliphora</i> | (c) incomplete peritreme, no button and 3 slits |
| 4. <i>Sarcophaga</i> | (d) complete peritreme with lateral slit, button present and 3 slits |

Select the correct option:

- | | | | |
|---------|-----|-----|-----|
| (1) 1-a | 2-b | 3-d | 4-c |
| (2) 1-b | 2-a | 3-c | 4-d |
| (3) 1-c | 2-d | 3-a | 4-b |
| (4) 1-d | 2-c | 3-b | 4-a |

Options :

55317226925. 1

55317226926. 2

55317226927. 3

55317226928. 4

Question Number : 33 Question Id : 5531726747 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In a commercial layer poultry farm, mites were collected from cob webs. On microscopic examination it was noted that the dorsal shield did not reach the posterior end of the body with truncated posterior margin. Based the data, the infestation is diagnosed as of

- (1) *Ornithonyssus sylviarum*
- (2) *Ornithonyssus bacoti*
- (3) *Ornithonyssus bursa*
- (4) *Dermanyssus gallinae*

Options :

55317226929. 1

55317226930. 2

55317226931. 3

55317226932. 4

Question Number : 34 Question Id : 5531726748 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In a leather industry, most of the tanneries of crossbred cattle were discarded due to unaesthetic appearance. Choose the kind of tick infestation that is likely to damage skin severely

- (1) *Hyalomma anotolicum anaticum*
- (2) *Rhipicephalus microplus*
- (3) *Boophilus annulatus*
- (4) *Haemaphysalis bispinosa*

Options :

- 55317226933. 1
- 55317226934. 2
- 55317226935. 3
- 55317226936. 4

Question Number : 35 Question Id : 5531726749 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Choose the one of following prophylactic drug to be administered against surra in animals

- (1) diminazene aceturate
- (2) quinapyramine chloride
- (3) quinapyramine sulphate
- (4) imidocarb

Options :

- 55317226937. 1
- 55317226938. 2
- 55317226939. 3
- 55317226940. 4

Question Number : 36 Question Id : 5531726750 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following parasite stages are not found in macrophages?

- (1) *Ehrlichia canis*
- (2) *Leishmania donovani*
- (3) *Theileria annulata*
- (4) *Toxoplasma gondii*

Options :

- 55317226941. 1
- 55317226942. 2
- 55317226943. 3
- 55317226944. 4

Question Number : 37 Question Id : 5531726751 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In which of the following parasite transmission, a biological vehicle is required?

- (1) *Balantidium coli*
- (2) *Histomonas meleagridis*
- (3) *Cryptosporidium parvum*
- (4) *Entamoeba histolytic*

Options :

55317226945. 1

55317226946. 2

55317226947. 3

55317226948. 4

Question Number : 38 Question Id : 5531726752 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Find out the right combination from the following options:

- | | |
|----------------------|--|
| 1. <i>Tyzzeria</i> | (a) 2 sporocysts each with 4 sporozoites |
| 2. <i>Isospora</i> | (b) 4 sporocysts each with 2 sporozoites |
| 3. <i>Eimeria</i> | (c) 4 sporocysts each with 4 sporozoites |
| 4. <i>Wenyonella</i> | (d) no sporocysts 8 sporozoites in each oocyst |

Select the correct option:

- | | | | |
|---------|-----|-----|-----|
| (1) 1-a | 2-d | 3-c | 4-b |
| (2) 1-c | 2-b | 3-a | 4-d |
| (3) 1-b | 2-c | 3-d | 4-a |
| (4) 1-d | 2-a | 3-b | 4-c |

Options :

55317226949. 1

55317226950. 2

55317226951. 3

55317226952. 4

Question Number : 39 Question Id : 5531726753 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which preparing the faecal smear for identification of oocysts of *cryptosporidium*, which of the following steps in mZN staining require more attention

- (1) methanol fixation step
- (2) carbol fuchsin staining step
- (3) decolourization step
- (4) counter staining step

Options :

55317226953. 1

55317226954. 2

55317226955. 3

55317226956. 4

Question Number : 40 Question Id : 5531726754 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following faecal concentration method is preferred if the faecal sample is with more mucus or fat?

- (1) Direct faecal smear examination
- (2) Faecal sedimentation technique
- (3) Faecal flotation technique
- (4) Formal ethyl acetate method

Options :

55317226957. 1

55317226958. 2

55317226959. 3

55317226960. 4

Question Number : 41 Question Id : 5531726755 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

During post-mortem of a cow suspected for bovine tropical theileriosis, punched out ulcers only in abomasum were noticed and were not found in other compartments of the stomach. Ascertain the possible reason from the following options

- (1) Rumen is not a specific habitation for the theilerial organisms
- (2) White blood cells in the reticulum prevent the development of schizonts
- (3) Tissue macrophages in omasum prevent development of schizonts
- (4) Abomasum is rich in lymphoid tissue

Options :

55317226961. 1

55317226962. 2

55317226963. 3

55317226964. 4

Question Number : 42 Question Id : 5531726756 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The prevalence of porcine cysticercosis is higher as compared to bovine cysticercosis. The possible reason for this condition

- (1) Gravid segments of *T. solium* are more active compared to *T. saginata*
- (2) Gravid segments of *T. solium* are sluggish compared to *T. saginata*
- (3) Supply of clean beef in good over pork
- (4) Availability of better diagnostic facilities for bovine cysticercosis over porcine cysticercosis

Options :

55317226965. 1

55317226966. 2

55317226967. 3

55317226968. 4

Question Number : 43 Question Id : 5531726757 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

During identification of certain infective nematode larvae were measured. Shorter to longer are arranged. Find out the correct answer

- a. *Ostertagia ostertagi*; *Oesophagostomum columbianum*; *Haemonchus contortus*;
i. *Nematodirus spathiger*
- b. *Nematodirus spathiger*; *H. contortus*; *O. columbianum*; *O. ostertagi*
- c. *O. columbianum*, *N. spathiger*; *O. ostertagi*; *H. contortus*
- d. *N. spathiger*; *O. columbianum*; *H. contortus*; *O. ostertagi*

Options :

55317226969. 1

55317226970. 2

55317226971. 3

55317226972. 4

Question Number : 44 Question Id : 5531726758 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The etiological agent of 'worm nest' in cattle is

- (1) *Onchocerca gibsoni*
- (2) *Onchocerca cervicalis*
- (3) *Onchocerca reticulata*
- (4) *Onchocerca armillata*

Options :

- 55317226973. 1
- 55317226974. 2
- 55317226975. 3
- 55317226976. 4

Question Number : 45 Question Id : 5531726759 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one among the following definitions is the correct/complete definition of Veterinary Public Health coined by WHO expert committee on Veterinary Public Health?

- (1) It is defined as the contribution towards complete mental and social wellbeing of humans through understanding of veterinary medicine
- (2) It is defined as the contribution towards mental and social wellbeing of humans through understanding and application of veterinary medicine
- (3) It is defined as the contribution towards complete physical, mental and social wellbeing of humans through understanding and application of veterinary medicine
- (4) It is defined as the contribution towards complete physical, mental and social wellbeing of humans through application of veterinary medicine

Options :

- 55317226977. 1
- 55317226978. 2
- 55317226979. 3
- 55317226980. 4

Question Number : 46 Question Id : 5531726760 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The animal related functions of a Public Health Veterinarian are all of the following EXCEPT

- (1) the human health aspects of production, processing and marketing of foods of animal origin
- (2) zoonoses, their diagnosis, surveillance and control
- (3) supervision of experimental animal colonies maintained by public health laboratories
- (4) production and control of biological products

Options :

55317226981. 1
55317226982. 2
55317226983. 3
55317226984. 4

Question Number : 47 Question Id : 5531726761 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following adulterants in milk is detected by addition of 0.1 ml of bromothymol blue solution (0.5%)?

- (1) Detergent in milk
- (2) Urea in milk
- (3) Cane sugar in milk
- (4) Starch in milk

Options :

55317226985. 1
55317226986. 2
55317226987. 3
55317226988. 4

Question Number : 48 Question Id : 5531726762 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Match List—I with List—II and select the correct answer using the options given below

List I	List II
(A) PFA	1. 1986
(B) AGMARK	2. 1987
(C) MMPO	3. 1954
(D) ISO 9000	4. 1992

Select the correct option:

- | | | | |
|---------|-----|-----|-----|
| (1) A-3 | B-1 | C-4 | D-2 |
| (2) A-2 | B-4 | C-1 | D-3 |
| (3) A-4 | B-3 | C-2 | D-1 |
| (4) A-1 | B-2 | C-3 | D-4 |

Options :

55317226989. 1
55317226990. 2
55317226991. 3
55317226992. 4

Question Number : 49 Question Id : 5531726763 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Endotoxin producing Gram-negative bacteria in foods can be detected by

- (1) membrane filtration technique
- (2) direct microscopic count
- (3) limulus amoebocyte lysate test
- (4) standard plate count

Options :

55317226993. 1
55317226994. 2
55317226995. 3
55317226996. 4

Question Number : 50 Question Id : 5531726764 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following is NOT related to the phenomenon of rigor mortis?

- (1) Hardening and contraction of all voluntary muscles
- (2) Loss in transparency of the surface of the muscle
- (3) Stiffening of joints
- (4) Slight decrease in temperature by 1–1.5 °C or more

Options :

55317226997. 1
55317226998. 2
55317226999. 3
55317227000. 4

Question Number : 51 Question Id : 5531726765 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The time required for destroying 90% of the organisms in thermal processing of meat is termed as

- (1) TDT
- (2) Z value
- (3) D value
- (4) F value

Options :

55317227001. 1
55317227002. 2
55317227003. 3
55317227004. 4

Question Number : 52 Question Id : 5531726766 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Food borne infections in human beings are one of the following sets

- (1) Plague, Measles, Toxoplasmosis
- (2) Salmonellosis, Norovirus, Gastroenteritis, Hydatidosis
- (3) Scrub Typhus, Yellow Fever, Malaria
- (4) Leishmaniasis, Dengue, Diphtheria

Options :

55317227005. 1
55317227006. 2
55317227007. 3
55317227008. 4

Question Number : 53 Question Id : 5531726767 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following infections is contracted from the consumption of raw or undercooked fish?

- (1) Diphyllbothriasis
- (2) Clonorchiasis
- (3) Cysticercosis
- (4) Trichinosis

Options :

55317227009. 1
55317227010. 2
55317227011. 3
55317227012. 4

Question Number : 54 Question Id : 5531726768 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Travelers diarrhea in human being is caused by

- (1) *Salmonella* spp.
- (2) *Escherichia coli*
- (3) *Bacillus cereus*
- (4) *Staphylococcus* spp.

Options :

55317227013. 1
55317227014. 2
55317227015. 3
55317227016. 4

Question Number : 55 Question Id : 5531726769 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The virus NOT classified as Animal Bio-Safety Level-4 (ABSL-4) pathogen is

- (1) Ebola virus
- (2) H₅N₁ virus
- (3) H₁N₁ virus
- (4) Hepatitis A virus

Options :

55317227017. 1
55317227018. 2
55317227019. 3
55317227020. 4

Question Number : 56 Question Id : 5531726770 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Human is the definitive host for

- (1) *Echinococcus granulosus*
- (2) *Hymenolepis nana*
- (3) *Taenia solium*
- (4) *Diphyllobothrium latum*

Options :

55317227021. 1
55317227022. 2
55317227023. 3
55317227024. 4

Question Number : 57 Question Id : 5531726771 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Tick acts as a vector for which one of the following groups of diseases?

- (1) Rocky mountain spotted fever, KFD, Q fever
- (2) Tuberculosis, rabies, scrub typhus
- (3) Brucellosis, anthrax, plague
- (4) Cholera, HUS, toxoplasmosis

Options :

55317227025. 1

55317227026. 2
55317227027. 3
55317227028. 4

Question Number : 58 Question Id : 5531726772 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In biological transmission, when an infectious agent undergoes both growth and multiplication in the vector – this is termed as

- (1) propagative type
- (2) cyclo-propagative type
- (3) cyclo-developmental type
- (4) transovarian type

Options :

55317227029. 1
55317227030. 2
55317227031. 3
55317227032. 4

Question Number : 59 Question Id : 5531726773 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Match List—I with List—II and select the correct answer using the options given below :

List—A

List—B

- | | |
|------------------------|----------------------------------|
| A. Viral hepatitis-A | 1. High nitrate content of water |
| B. Schistosomiasis | 2. Fish tape worm |
| C. Cyclops | 3. Water borne |
| D. Cyanosis in infants | 4. Snail |

Options:

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

Options :

55317227033. 1
55317227034. 2
55317227035. 3
55317227036. 4

Question Number : 60 Question Id : 5531726774 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Coefficient of haze is a factor used particularly in assessing the amount of

- (1) dust and other solids in air
- (2) smoke or other aerosol in air
- (3) moisture in air
- (4) particulate matters in air

Options :

55317227037. 1
55317227038. 2
55317227039. 3
55317227040. 4

Question Number : 61 Question Id : 5531726775 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The most suitable disinfectant used for disinfection of drinking water is

- (1) Potassium iodide
- (2) Potassium permanganate
- (3) Chlorine
- (4) Aluminium hydroxide

Options :

55317227041. 1
55317227042. 2
55317227043. 3
55317227044. 4

Question Number : 62 Question Id : 5531726776 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Termination of all transmission of infection by extermination of the infection agent through surveillance and containment is termed as

- (1) control
- (2) prevention
- (3) eradication
- (4) quarantine

Options :

55317227045. 1
55317227046. 2
55317227047. 3
55317227048. 4

Question Number : 63 Question Id : 5531726777 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The ability of a test to identify correctly all those who have the disease that is 'true positive' is termed as

- (1) specificity
- (2) sensitivity
- (3) validity
- (4) accuracy

Options :

55317227049. 1
55317227050. 2
55317227051. 3
55317227052. 4

Question Number : 64 Question Id : 5531726778 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The root-means-square-deviation is termed as the

- (1) Mean deviation
- (2) Median
- (3) Mode
- (4) Standard deviation

Options :

55317227053. 1
55317227054. 2
55317227055. 3
55317227056. 4

Question Number : 65 Question Id : 5531726779 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The CPCSEA was established by the Ministry of
Environment and Forest, GOI in the year

- (1) 1960
- (2) 1991
- (3) 1993
- (4) 2001

Options :

55317227057. 1
55317227058. 2
55317227059. 3
55317227060. 4

Question Number : 66 Question Id : 5531726780 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which among the following statements is not correct?

- (1) The cognitive level of communication is in terms of increase in knowledge
- (2) The psychomotor level of communication is in terms of acquiring new skills
- (3) The affective level of communication is in terms of changing existing patterns of behaviour and attitudes
- (4) Communication which is the basis of human interaction is a simple process

Options :

55317227061. 1

55317227062. 2

55317227063. 3

55317227064. 4

Question Number : 67 Question Id : 5531726781 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Concept of Hazard Analysis and Critical Control Points (HACCP) was first introduced by

- (a) H. E. Bauman and other scientists in 1971
- (b) Jay in 1996
- (c) Edwards and other scientists in 1997
- (d) H.E. Bauman and scientists in USA

Which of the above statements are correct?

- (1) (a) and (b)
- (2) (b) and (c)
- (3) (a) and (d)
- (4) (c) and (d)

Options :

55317227065. 1

55317227066. 2

55317227067. 3

55317227068. 4

Question Number : 68 Question Id : 5531726782 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one among the following statements is the correct definition of critical control point?

- (1) Any location, process, procedure or practice which minimizes the contamination of food with pathogenic organisms.
- (2) Any location, process, procedure or practice which minimizes the contamination of food with pathogenic or spoilage organisms.
- (3) Any location, process, procedure or practice which minimizes the contamination of food with spoilage organisms.
- (4) Any location, process, procedures or practice which minimizes the contamination of food with pathogenic or spoilage organisms and inhibits their undesirable growth or survival.

Options :

- 55317227069. 1
- 55317227070. 2
- 55317227071. 3
- 55317227072. 4

Question Number : 69 Question Id : 5531726783 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following pair is correctly matched?

- (1) Leukocidin — limits phagocytosis
- (2) Coagulase — dissolves fibrin clot
- (3) Streptokinase — forms a fibrin clot
- (4) Hyaluronidase — induces anemia

Options :

- 55317227073. 1
- 55317227074. 2
- 55317227075. 3
- 55317227076. 4

Question Number : 70 Question Id : 5531726784 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The following statements about lipids in mammalian cell membrane are true EXCEPT

- (1) The major lipid on mammalian cell membranes are phospholipids
- (2) The most common sterol is cholesterol
- (3) Unsaturated fatty acids exist in the cis-form, so membrane becomes more tightly packed
- (4) Membrane lipids are amphipathic

Options :

- 55317227077. 1

55317227078. 2

55317227079. 3

55317227080. 4

Question Number : 71 Question Id : 5531726785 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which among the following is NOT a cloning vector?

- (1) Bacterial plasmid
- (2) Phages
- (3) Cosmids
- (4) Spliceosomes

Options :

55317227081. 1

55317227082. 2

55317227083. 3

55317227084. 4

Question Number : 72 Question Id : 5531726786 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The method of transforming DNA from the agarose gel to nitrocellulose filter on which DNA can be detected by a suitable probe is called as

- (1) Western blotting
- (2) Southern blotting
- (3) Northern blotting
- (4) South-Western blotting

Options :

55317227085. 1

55317227086. 2

55317227087. 3

55317227088. 4

Question Number : 73 Question Id : 5531726787 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Match List 'A' and List 'B' and select correct one from choices given below

List 'A'	List 'B'
A. γ - carboxyglutamate	1. Allergic reaction
B. Histamine	2. Ca^{+2} binding
C. Serotonin	3. Melanin synthesis
D. Dopa	4. Vasoconstriction

Options:

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

Options :

55317227089. 1
55317227090. 2
55317227091. 3
55317227092. 4

Question Number : 74 Question Id : 5531726788 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In post hepatic (obstructive) type of jaundice, which among the following parameters is useful for confirmatory diagnosis?

- (1) Total bilirubin
(2) Indirect bilirubin
(3) Direct bilirubin
(4) Bile salts

Options :

55317227093. 1
55317227094. 2
55317227095. 3
55317227096. 4

Question Number : 75 Question Id : 5531726789 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which among the following test / parameters is not included in kidney functions tests?

- (1) Serum creatinine
(2) Serum total protein
(3) Blood urea nitrogen
(4) Urine sugar

Options :

55317227097. 1

55317227098. 2
55317227099. 3
55317227100. 4

Question Number : 76 Question Id : 5531726790 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which endocrine disorder is common in older cats as compared to dogs?

- (1) Hypothyroidism
- (2) Cushing's syndrome
- (3) Hyperthyroidism
- (4) Addison's disease

Options :

55317227101. 1
55317227102. 2
55317227103. 3
55317227104. 4

Question Number : 77 Question Id : 5531726791 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Assertion (A) :Agarose gel electrophoresis is most common and efficient method for isolation of DNA.

Reason (R) :DNA is small molecule and positively charged.

So, it can be easily separated on agarose gel in electric field.

Select the correct option:

- (1) 'A' is true but 'R' is not the correct reason for 'A'
- (2) 'A' is true and 'R' is correct reason for 'A'
- (3) 'A' is false and 'R' is true
- (4) Both 'A' and 'R' are false

Options :

55317227105. 1
55317227106. 2
55317227107. 3
55317227108. 4

Question Number : 78 Question Id : 5531726792 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In respect of mass spectrometry technique one of the following is NOT an ionization method.

- (1) MALDI
- (2) TOF
- (3) FAB
- (4) ESI

Options :

55317227109. 1
55317227110. 2
55317227111. 3
55317227112. 4

Question Number : 79 Question Id : 5531726793 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Among the following, which is NOT an antioxidant enzyme?

- (1) Alkaline phosphatase
- (2) Superoxide dismutase
- (3) Glutathione peroxidase
- (4) Catalase

Options :

55317227113. 1
55317227114. 2
55317227115. 3
55317227116. 4

Question Number : 80 Question Id : 5531726794 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Phospholipids synthesis occurs in

- (1) rough endoplasmic reticulum
- (2) smooth endoplasmic reticulum
- (3) Golgi apparatus
- (4) Ribosomes

Options :

55317227117. 1
55317227118. 2
55317227119. 3
55317227120. 4

Question Number : 81 Question Id : 5531726795 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Match List 'A' and List 'B'

List 'A'

List 'B'

A. Cellobiose

1. Homopolysaccharide

B. Fructose

2. Glycosaminoglycan

C. Heparin

3. Disaccharide

D. Glycogen

4. Monosaccharide

Select the correct option:

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

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

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

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

Options :

55317227121. 1

55317227122. 2

55317227123. 3

55317227124. 4

Question Number : 82 Question Id : 5531726796 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Major intracellular buffering system of the body comprises

(1) Bicarbonate buffer system

(2) Phosphate buffer system

(3) Haemoglobin

(4) Tris-EDTA buffer

Options :

55317227125. 1

55317227126. 2

55317227127. 3

55317227128. 4

Question Number : 83 Question Id : 5531726797 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which statement is NOT CORRECT in respect to typical prokaryotic cell?

(1) Their DNA is not enclosed within a membrane

(2) They lack membrane enclosed organelles

(3) Their DNA is associated with histone proteins

(4) Cell wall contains complex polysaccharides

Options :

55317227129. 1

55317227130. 2

55317227131. 3

55317227132. 4

Question Number : 84 Question Id : 5531726798 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The hydrolysis of triacylglycerol by alkali to produce glycerol and soap is known as

- (1) Rancidity
- (2) Saponification
- (3) Emulsification
- (4) Peroxidation

Options :

55317227133. 1

55317227134. 2

55317227135. 3

55317227136. 4

Question Number : 85 Question Id : 5531726799 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Functionally active form of vitamin D is

- (1) calciferol
- (2) Ergocalciferol
- (3) Dehydrocholesterol
- (4) 1, 25 dihydrocholecalciferol

Options :

55317227137. 1

55317227138. 2

55317227139. 3

55317227140. 4

Question Number : 86 Question Id : 5531726800 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which among the following is sulfur containing amino acid?

- (1) Methionine
- (2) Protein
- (3) Arginine
- (4) Histidine

Options :

55317227141. 1

55317227142. 2

55317227143. 3

55317227144. 4

Question Number : 87 Question Id : 5531726801 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which among the following polysaccharide acts as a lubricating agent and shock absorbent in body?

- (1) Chitin
- (2) Dermatan sulfate
- (3) Hyaluronic acid
- (4) Heparin

Options :

55317227145. 1

55317227146. 2

55317227147. 3

55317227148. 4

Question Number : 88 Question Id : 5531726802 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which among the following sugars gives sunflower petal shape osazone with phenylhydrazine?

- (1) Fructose
- (2) Mannose
- (3) Maltose
- (4) Glucose

Options :

55317227149. 1

55317227150. 2

55317227151. 3

55317227152. 4

Question Number : 89 Question Id : 5531726803 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Enzyme inhibitors are the substances which bind the enzyme and decrease its catalytic activity. Among the following which is the inhibitor for enzyme Xanthine oxidase?

- (1) Allopurinol
- (2) Dicumarol
- (3) Succinyl choline
- (4) Aminopterin

Options :

55317227153. 1

55317227154. 2

55317227155. 3

55317227156. 4

Question Number : 90 Question Id : 5531726804 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Glutathione is a tripeptide composed of 3 amino acids. Select the correct combination of amino acids from the option given below

- (1) Glutamic acid, Cysteine and Glycine
- (2) Glutamic acid, Methionine and Lysine
- (3) Cysteine, Glycine and Alanine
- (4) Glycine, Arginine and Tyrosine

Options :

- 55317227157. 1
- 55317227158. 2
- 55317227159. 3
- 55317227160. 4

Question Number : 91 Question Id : 5531726805 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The non-protein, organic, low molecular weight substance associated with an enzyme function is called

- (1) Holoenzyme
- (2) Cofactor
- (3) Apoenzyme
- (4) Isoenzyme

Options :

- 55317227161. 1
- 55317227162. 2
- 55317227163. 3
- 55317227164. 4

Question Number : 92 Question Id : 5531726806 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Match List 'A' and List 'B'. Select from the choices given below

List 'A'	List 'B'
A. Vitamin B ₁	1. Pellagra
B. Vitamin B ₂	2. Scurvy
C. Vitamin C	3. Beriberi
D. Niacin	4. Cheilosis

Select the correct option

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

Options :

- 55317227165. 1

55317227166. 2

55317227167. 3

55317227168. 4

Question Number : 93 Question Id : 5531726807 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

A₁/A₂ milk β -casein bioactive peptide differ in the peptide chain at single amino acid residue. Find the correct choice with respect to A₁/A₂ β -casein milk peptide :

- (1) In A₁ milk, gene encoding β -casein has changed such that 67th amino acid in 209 amino acid chain protein was switched from proline to histidine
- (2) In A₂ milk, gene encoding β -casein express as histidine at 67th amino acid residue in 209 amino acid chain protein
- (3) Both A₁ and A₂ milk variants of β -casein do not differ at 67th amino acid residue in 209 amino acid chain protein
- (4) A₂ β -casein is absent in the milk of pure Asian and African cattle, so they produce A₁ milk

Options :

55317227169. 1

55317227170. 2

55317227171. 3

55317227172. 4

Question Number : 94 Question Id : 5531726808 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Match List 'A' and List 'B' and select correct options answers using the codes given in the option below:

List 'A'

List 'B'

- | | |
|--------------------------|-----------------------|
| A. Acid phosphatase | 1. Rickets |
| B. Alkaline phosphatase | 2. Cardiac infarction |
| C. Alanine transferase | 3. Prostate cancer |
| D. Aspartate transferase | 4. Acute hepatitis |

Options :

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

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

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

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

Options :

55317227173. 1

55317227174. 2

55317227175. 3

55317227176. 4

Question Number : 95 Question Id : 5531726809 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Secondary structure of protein involves

- (1) alpha helix and beta sheet
- (2) amino acid sequence
- (3) multimeric protein
- (4) three-dimensional configuration

Options :

55317227177. 1

55317227178. 2

55317227179. 3

55317227180. 4

Question Number : 96 Question Id : 5531726810 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Weak interactions include the following, EXCEPT

- (1) Hydrogen bond
- (2) Hydrophobic bond
- (3) Van der Waal force
- (4) covalent bond

Options :

55317227181. 1

55317227182. 2

55317227183. 3

55317227184. 4

Question Number : 97 Question Id : 5531726811 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Amino acids are mostly synthesized from

- (1) mineral salts
- (2) fatty acids
- (3) volatile acids
- (4) alpha-ketoglutaric acid

Options :

55317227185. 1

55317227186. 2

55317227187. 3

55317227188. 4

Question Number : 98 Question Id : 5531726812 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Roughly, how many turns are there in one turn of an alpha-helix?

- (1) 1.0
- (2) 2.8
- (3) 3.6
- (4) 4.8

Options :

55317227189. 1

55317227190. 2

55317227191. 3

55317227192. 4

Question Number : 99 Question Id : 5531726813 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The function of cristae in a mitochondrion is

- (1) electron transport and ATP synthesis
- (2) carbon assimilation
- (3) intake of oxygen
- (4) elimination of carbon-dioxide

Options :

55317227193. 1

55317227194. 2

55317227195. 3

55317227196. 4

Question Number : 100 Question Id : 5531726814 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The main component of most biological membranes is

- (1) protein
- (2) carbohydrate
- (3) lipid
- (4) glycolipid

Options :

55317227197. 1

55317227198. 2

55317227199. 3

55317227200. 4

Question Number : 101 Question Id : 5531726815 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Covalently closed circular DNA molecule is seen in

- (1) bacteria
- (2) virus
- (3) fungi
- (4) plant

Options :

55317227201. 1
55317227202. 2
55317227203. 3
55317227204. 4

Question Number : 102 Question Id : 5531726816 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

During DNA replication, the strands separate by

- (1) DNA polymerase
- (2) Topoisomerase
- (3) Helicase
- (4) Gyrase

Options :

55317227205. 1
55317227206. 2
55317227207. 3
55317227208. 4

Question Number : 103 Question Id : 5531726817 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Malignant cancer cells have all the following properties, EXCEPT

- (1) unregulated cell division
- (2) resistance to apoptosis
- (3) metastasis
- (4) inhibition of angiogenesis

Options :

55317227209. 1
55317227210. 2
55317227211. 3
55317227212. 4

Question Number : 104 Question Id : 5531726818 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Isoelectric point (PI) of a protein can be determined by

- (1) SDS-PAGE
- (2) Western blotting
- (3) two-dimensional electrophoresis
- (4) column chromatography

Options :

55317227213. 1
55317227214. 2
55317227215. 3
55317227216. 4

Question Number : 105 Question Id : 5531726819 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

During protein synthesis, which site binds the t-RNA carrying nascent polypeptide chain

- (1) A-site
- (2) P-site
- (3) E-site
- (4) N-site

Options :

55317227217. 1
55317227218. 2
55317227219. 3
55317227220. 4

Question Number : 106 Question Id : 5531726820 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The initial primer in DNA replication is synthesized by

- (1) polymerase
- (2) Topoisomerase
- (3) Gyrase
- (4) Primase

Options :

55317227221. 1
55317227222. 2
55317227223. 3
55317227224. 4

Question Number : 107 Question Id : 5531726821 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

DNA replication takes place during

- (1) S-phase
- (2) G1-phase
- (3) G2-phase
- (4) M-phase

Options :

55317227225. 1
55317227226. 2
55317227227. 3
55317227228. 4

Question Number : 108 Question Id : 5531726822 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Antibiotics that binds to ribosomes and interferes in aminoacyl-tRNA binding is

- (1) streptomycin
- (2) penicillin
- (3) tetracycline
- (4) chloramphenicol

Options :

55317227229. 1
55317227230. 2
55317227231. 3
55317227232. 4

Question Number : 109 Question Id : 5531726823 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Mutations used in agriculture, are commonly

- (1) induced
- (2) spontaneous
- (3) lethal
- (4) recessive and lethal

Options :

55317227233. 1
55317227234. 2
55317227235. 3
55317227236. 4

Question Number : 110 Question Id : 5531726824 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Protein hormones act upon the target cells by mediating the role of

- (1) carbonic anhydrase
- (2) cyclic-AMP
- (3) calcium ions
- (4) magnesium ions

Options :

55317227237. 1
55317227238. 2
55317227239. 3
55317227240. 4

Question Number : 111 Question Id : 5531726825 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The conformation of an epitope is important for recognition by

- (1) B-lymphocyte
- (2) T-lymphocyte
- (3) Macrophage
- (4) Dendritic cell

Options :

55317227241. 1
55317227242. 2
55317227243. 3
55317227244. 4

Question Number : 112 Question Id : 5531726826 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The class of antibody protected by proteolytic cleavage at mucosal surfaces is

- (1) IgG
- (2) IgM
- (3) IgA
- (4) IgE

Options :

55317227245. 1
55317227246. 2
55317227247. 3
55317227248. 4

Question Number : 113 Question Id : 5531726827 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

An expression vector is different from cloning vector as it contains the

- (1) origin of replication
- (2) antibiotic resistance gene
- (3) promoter sequences
- (4) restriction enzymes sites

Options :

- 55317227249. 1
- 55317227250. 2
- 55317227251. 3
- 55317227252. 4

Question Number : 114 Question Id : 5531726828 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The size of DNA that can be cloned in YAC is

- (1) large (upto megabases)
- (2) small (upto few hundred bases)
- (3) no size restriction
- (4) medium (upto kilobases)

Options :

- 55317227253. 1
- 55317227254. 2
- 55317227255. 3
- 55317227256. 4

Question Number : 115 Question Id : 5531726829 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

All is true for transformation, EXCEPT

- (1) uptake of naked DNA by prokaryotic cell
- (2) uptake of naked DNA by eukaryotic cell
- (3) use of electroporation
- (4) use of calcium chloride

Options :

- 55317227257. 1
- 55317227258. 2
- 55317227259. 3
- 55317227260. 4

Question Number : 116 Question Id : 5531726830 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following test is used to measure expression of large number of genes simultaneously?

- (1) Microarray
- (2) Sequencing
- (3) Real time PCR
- (4) MALDI

Options :

55317227261. 1
55317227262. 2
55317227263. 3
55317227264. 4

Question Number : 117 Question Id : 5531726831 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Blue/White selection of recombinant clone involves gene encoding for

- (1) alkaline phosphatase
- (2) beta galactosidase
- (3) ampicillinase
- (4) penicillinase

Options :

55317227265. 1
55317227266. 2
55317227267. 3
55317227268. 4

Question Number : 118 Question Id : 5531726832 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Alkaline lysis procedure is used for the isolation of

- (1) genome DNA
- (2) plasmid DNA
- (3) RNA
- (4) protein

Options :

55317227269. 1
55317227270. 2
55317227271. 3
55317227272. 4

Question Number : 119 Question Id : 5531726833 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

HAT selection is used in

- (1) virus culture
- (2) primary cell culture
- (3) established cell line
- (4) hybridoma culture

Options :

55317227273. 1

55317227274. 2

55317227275. 3

55317227276. 4

Question Number : 120 Question Id : 5531726834 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Nutrient requirement of mammalian cells includes all, EXCEPT

- (1) α -glutamine
- (2) DMEM
- (3) FBS
- (4) HEPES

Options :

55317227277. 1

55317227278. 2

55317227279. 3

55317227280. 4

Question Number : 121 Question Id : 5531726835 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Commonly used fusogen in hybridoma technology is

- (1) dimethylsulphoxide
- (2) polyethylene glycol
- (3) glycerol
- (4) polyvinyl chloride

Options :

55317227281. 1

55317227282. 2

55317227283. 3

55317227284. 4

Question Number : 122 Question Id : 5531726836 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Total number of oocytes recovered by OPU in cattle are correlated with

- (1) number of small follicles
- (2) number of medium follicles
- (3) number of large follicles
- (4) the size of follicle does not have any bearing on oocyte recovery rate

Options :

55317227285. 1

55317227286. 2

55317227287. 3

55317227288. 4

Question Number : 123 Question Id : 5531726837 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following is NOT a cytogenetic method for embryo sexing?

- (1) Observing Barr bodies
- (2) Chromosome analysis
- (3) Chromosome analysis and Barr bodies
- (4) Y-specific DNA primer and PCR

Options :

55317227289. 1

55317227290. 2

55317227291. 3

55317227292. 4

Question Number : 124 Question Id : 5531726838 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Protein hormones are generally introduced parentally because they are

- (1) Toxic
- (2) Emetic
- (3) Destroyed in GIT
- (4) Absorbed directly

Options :

55317227293. 1

55317227294. 2

55317227295. 3

55317227296. 4

Question Number : 125 Question Id : 5531726839 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Halophilic bacteria can grow at

- (1) high oxygen concentration
- (2) high carbon dioxide concentration
- (3) high salt concentration
- (4) high temperature

Options :

- 55317227297. 1
- 55317227298. 2
- 55317227299. 3
- 55317227300. 4

Question Number : 126 Question Id : 5531726840 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The following properties are true for endotoxin, EXCEPT

- (1) Integral part of cell wall
- (2) Not convertible to toxoid
- (3) Poor immunogen
- (4) Heat labile

Options :

- 55317227301. 1
- 55317227302. 2
- 55317227303. 3
- 55317227304. 4

Question Number : 127 Question Id : 5531726841 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Turbidostat maintains the culture in

- (1) lag phase
- (2) exponential phase
- (3) stationary phase
- (4) decline phase

Options :

- 55317227305. 1
- 55317227306. 2
- 55317227307. 3
- 55317227308. 4

Question Number : 128 Question Id : 5531726842 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Polychrome methylene blue is used to identify

- (1) *Mycobacterium tuberculosis*
- (2) *Bacillus anthracis*
- (3) *Pasteurella multocida*
- (4) *Haemophilus species*

Options :

- 55317227309. 1
- 55317227310. 2
- 55317227311. 3
- 55317227312. 4

Question Number : 129 Question Id : 5531726843 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Kauffmann-White scheme is used in classification of

- (1) *Staphylococcus*
- (2) *Streptococcus*
- (3) *Salmonella*
- (4) *Pasteurella*

Options :

- 55317227313. 1
- 55317227314. 2
- 55317227315. 3
- 55317227316. 4

Question Number : 130 Question Id : 5531726844 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Johne's disease is usually acquired

- (1) *in utero*
- (2) *in adult hood*
- (3) *in calf hood*
- (4) *in old age*

Options :

- 55317227317. 1
- 55317227318. 2
- 55317227319. 3
- 55317227320. 4

Question Number : 131 Question Id : 5531726845 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Lethal toxin produced by *Clostridium perfringens* type A is

- (1) Alpha toxin
- (2) Beta toxin
- (3) Gamma toxin
- (4) Eta toxin

Options :

55317227321. 1
55317227322. 2
55317227323. 3
55317227324. 4

Question Number : 132 Question Id : 5531726846 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Consumption of undercooked beef is associated with which infection?

- (1) 0139 *Vibrio cholerae*
- (2) 0157: H7 *Escherichia coli*
- (3) *Listeria monocytogenes*
- (4) *Campylobacter jejuni*

Options :

55317227325. 1
55317227326. 2
55317227327. 3
55317227328. 4

Question Number : 133 Question Id : 5531726847 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Amantadine and its derivatives bring about their antiviral activity by

- (1) preventing the penetration of virus
- (2) acting against viral transcriptase
- (3) interfering with uncoating of viral RNA
- (4) interfering with DNA synthesis

Options :

55317227329. 1
55317227330. 2
55317227331. 3
55317227332. 4

Question Number : 134 Question Id : 5531726848 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Possible route of infection of Nipah virus is all, EXCEPT

- (1) Date palm-sap
- (2) Culex mosquito
- (3) Contact with pigs
- (4) Human-to-human transmission

Options :

- 55317227333. 1
- 55317227334. 2
- 55317227335. 3
- 55317227336. 4

Question Number : 135 Question Id : 5531726849 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

RNA-electropherotyping is used in diagnosis of

- (1) Newcastle disease virus
- (2) Influenza virus
- (3) Picornavirus
- (4) Rotavirus

Options :

- 55317227337. 1
- 55317227338. 2
- 55317227339. 3
- 55317227340. 4

Question Number : 136 Question Id : 5531726850 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Natural Killer cell mediated lysis of virus-infected cell is promoted by

- (1) increased level of class I MHC antigen
- (2) decreased level of class I MHC antigen
- (3) increased level of class II MHC antigen
- (4) decreased level of class II MHC antigen

Options :

- 55317227341. 1
- 55317227342. 2
- 55317227343. 3
- 55317227344. 4

Question Number : 137 Question Id : 5531726851 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following poxvirus has the hemagglutination property?

- (1) Orthopox virus
- (2) Avipox virus
- (3) Capripox virus
- (4) Parapox virus

Options :

55317227345. 1
55317227346. 2
55317227347. 3
55317227348. 4

Question Number : 138 Question Id : 5531726852 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

There is no carrier state of FMD virus in

- (1) cattle
- (2) pig
- (3) sheep
- (4) goat

Options :

55317227349. 1
55317227350. 2
55317227351. 3
55317227352. 4

Question Number : 139 Question Id : 5531726853 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Pearl eye is seen in

- (1) Infectious laryngotracheitis
- (2) Infectious bronchitis
- (3) Lymphoid leukosis
- (4) Marek's disease

Options :

55317227353. 1
55317227354. 2
55317227355. 3
55317227356. 4

Question Number : 140 Question Id : 5531726854 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Antigen-specific tolerance is produced in foetus following infection with

- (1) Swine fever virus
- (2) FMD virus
- (3) Rinderpest virus
- (4) Corona virus

Options :

55317227357. 1
55317227358. 2
55317227359. 3
55317227360. 4

Question Number : 141 Question Id : 5531726855 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Viruses that cross the placenta to infect the foetus are all the following, EXCEPT

- (1) IBR
- (2) BVD
- (3) BTM
- (4) Pox

Options :

55317227361. 1
55317227362. 2
55317227363. 3
55317227364. 4

Question Number : 142 Question Id : 5531726856 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Viral infection that can be transmitted by germplasm is

- (1) Retrovirus
- (2) Rotavirus
- (3) Poxvirus
- (4) Herpesvirus

Options :

55317227365. 1
55317227366. 2
55317227367. 3
55317227368. 4

Question Number : 143 Question Id : 5531726857 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which is the sexual spore of fungi?

- (1) Ascospores
- (2) Conidiospore
- (3) Arthrospore
- (4) Oidium

Options :

55317227369. 1
55317227370. 2
55317227371. 3
55317227372. 4

Question Number : 144 Question Id : 5531726858 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Skin test analogous to tuberculin test is NOT performed in

- (1) blastomycosis
- (2) histoplasmosis
- (3) aspergillosis
- (4) coccidioidomycosis

Options :

55317227373. 1
55317227374. 2
55317227375. 3
55317227376. 4

Question Number : 145 Question Id : 5531726859 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Germ tube formation occurs in

- (1) *Aspergillus fumigatus*
- (2) *Candida albicans*
- (3) *Trichophyton verrucosum*
- (4) *Cryptococcus neoformans*

Options :

55317227377. 1
55317227378. 2
55317227379. 3
55317227380. 4

Question Number : 146 Question Id : 5531726860 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following antibody assay is a primary binding test?

- (1) Precipitation test
- (2) Complement fixation test
- (3) Agglutination test
- (4) Fluorescent antibody test

Options :

55317227381. 1
55317227382. 2
55317227383. 3
55317227384. 4

Question Number : 147 Question Id : 5531726861 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The predominant immunoglobulin in the colostrum of ruminant is

- (1) IgG1
- (2) IgG2
- (3) IgM
- (4) IgA

Options :

55317227385. 1
55317227386. 2
55317227387. 3
55317227388. 4

Question Number : 148 Question Id : 5531726862 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The earliest site of hematopoiesis in the embryo is

- (1) bone marrow
- (2) liver
- (3) spleen
- (4) yolk sac

Options :

55317227389. 1
55317227390. 2
55317227391. 3
55317227392. 4

Question Number : 149 Question Id : 5531726863 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

TLR ligands as immunostimulatory adjuvants are all of the following, EXCEPT

- (1) Alum
- (2) dsRNA
- (3) LPS
- (4) CpG

Options :

- 55317227393. 1
- 55317227394. 2
- 55317227395. 3
- 55317227396. 4

Question Number : 150 Question Id : 5531726864 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Suspension culture is NOT formed in

- (1) chicken embryo fibroblast culture
- (2) hematopoietic cell culture
- (3) established cell line
- (4) transformed cell line

Options :

- 55317227397. 1
- 55317227398. 2
- 55317227399. 3
- 55317227400. 4

Question Number : 151 Question Id : 5531726865 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Baculo virus expression vector is used in

- (1) *Escherichia coli*
- (2) yeast cell
- (3) mammalian cell
- (4) insect cell

Options :

- 55317227401. 1
- 55317227402. 2
- 55317227403. 3
- 55317227404. 4

Question Number : 152 Question Id : 5531726866 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In India, the Prevention and Control of Infectious and Contagious Diseases in Animals Act was established in the year

- (1) 1899
- (2) 1999
- (3) 2009
- (4) 2019

Options :

55317227405. 1
55317227406. 2
55317227407. 3
55317227408. 4

Question Number : 153 Question Id : 5531726867 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Following is true for all edible vaccines, EXCEPT

- (1) Transgenic plants
- (2) Ti plasmid
- (3) Oral immunization
- (4) Parenteral immunization

Options :

55317227409. 1
55317227410. 2
55317227411. 3
55317227412. 4

Question Number : 154 Question Id : 5531726868 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Flury strain of rabies virus is attenuated in prolonged passage in

- (1) Embryonated eggs
- (2) Mammalian cells
- (3) Rabbit
- (4) Fox

Options :

55317227413. 1
55317227414. 2
55317227415. 3
55317227416. 4

Question Number : 155 Question Id : 5531726869 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Amyloidosis is characterized by

- (a) Propagation of misfolded proteins
 - (b) Accumulation of misfolded precursor proteins
 - (c) Genetic mutation and protein over production
- (1) a, b and c are correct
 - (2) a and b are correct
 - (3) a and c are correct
 - (4) b and c are correct

Options :

55317227417. 1

55317227418. 2

55317227419. 3

55317227420. 4

Question Number : 156 Question Id : 5531726870 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Assertion (A) :Red infarct is common in lung

Reason (R) :It is due to arteriolar occlusions.

Select the correct option:

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

Options :

55317227421. 1

55317227422. 2

55317227423. 3

55317227424. 4

Question Number : 157 Question Id : 5531726871 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

CD95 is a marker for

- (1) cellular adaptation
- (2) intrinsic pathway of apoptosis
- (3) cellular necrosis
- (4) extrinsic pathway of apoptosis

Options :

55317227425. 1

55317227426. 2

55317227427. 3

55317227428. 4

Question Number : 158 Question Id : 5531726872 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

All the inflammatory mediators are derived from cell membrane lipids, EXCEPT

- (1) Prostaglandins
- (2) Leukotrienes
- (3) Lipoxins
- (4) Bradykinin

Options :

55317227429. 1

55317227430. 2

55317227431. 3

55317227432. 4

Question Number : 159 Question Id : 5531726873 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Wound contraction is mediated by

- (1) Epithelial cells
- (2) Myofibroblasts
- (3) Collagen
- (4) Elastin

Options :

55317227433. 1

55317227434. 2

55317227435. 3

55317227436. 4

Question Number : 160 Question Id : 5531726874 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Prostaglandins are responsible for all the following consequences due to inflammatory process EXCEPT

- (1) Tissue damage
- (2) Pain
- (3) Fever
- (4) Vasodilation

Options :

55317227437. 1

55317227438. 2

55317227439. 3

55317227440. 4

Question Number : 161 Question Id : 5531726875 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Eosinophils are activated by

- (1) IL-5
- (2) IL-1
- (3) IL-4
- (4) IL-6

Options :

55317227441. 1

55317227442. 2

55317227443. 3

55317227444. 4

Question Number : 162 Question Id : 5531726876 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The following produce type-III hypersensitivity reaction EXCEPT:

- (1) Equine infectious anemia
- (2) Systemic lupus erythematosus
- (3) Myasthenia gravis
- (4) Arthus reaction

Options :

55317227445. 1

55317227446. 2

55317227447. 3

55317227448. 4

Question Number : 163 Question Id : 5531726877 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

A small well circumscribed elevated dermal mass with cavernous hemangioma in dogs is known as

- (1) Angiokeratoma
- (2) Kerato-acanthoma
- (3) Angio-fibroma
- (4) Angio-lipoma

Options :

55317227449. 1

55317227450. 2

55317227451. 3

55317227452. 4

Question Number : 164 Question Id : 5531726878 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Identify the most common gene that gets mutated by chemical carcinogens

- (1) sis-gene
- (2) ras-gene
- (3) mye-gene
- (4) fes-gene

Options :

55317227453. 1
55317227454. 2
55317227455. 3
55317227456. 4

Question Number : 165 Question Id : 5531726879 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Consider the following statements regarding cell injury

- (a) Swelling of mitochondria
 - (b) Clumping of chromatin
 - (c) Condensation of nucleus
 - (d) Swelling of mitochondria with amorphous density
- Mach the correct statement for irreversible cell injury

- (1) (a) and (b)
- (2) (b) and (c)
- (3) (c) and (d)
- (4) (d) and (a)

Options :

55317227457. 1
55317227458. 2
55317227459. 3
55317227460. 4

Question Number : 166 Question Id : 5531726880 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Identify the correct pair

- (1) Tuberculosis — Liquefactive necrosis
- (2) Hypoxemia — Coagulative necrosis
- (3) Staphylococcus — Caseous necrosis
- (4) Hypercalcemia — Nutritional necrosis

Options :

55317227461. 1
55317227462. 2

55317227463. 3

55317227464. 4

Question Number : 167 Question Id : 5531726881 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Consider the following in respect of Maedi-Visna in sheep and identify the correct options

- (a) Pneumonitis
- (b) Mastitis
- (c) Encephalomyelitis
- (1) (a) and (b)
- (2) (b) and (c)
- (3) (c) and (a)
- (4) (a), (b) and (c)

Options :

55317227465. 1

55317227466. 2

55317227467. 3

55317227468. 4

Question Number : 168 Question Id : 5531726882 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Eosinophilic granulomas are formed in response to

- (1) TH₂ mediation
- (2) TH₁ mediation
- (3) TH₁₇ mediation
- (4) cytokine mediation

Options :

55317227469. 1

55317227470. 2

55317227471. 3

55317227472. 4

Question Number : 169 Question Id : 5531726883 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Assertion (A) :Transmissible spongiform encephalopathy is characterized by vacillation of neurons.

Reason (R) :The vacillation of neurons is caused by hydropic degeneration.

Select the correct option:

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

Options :

55317227473. 1

55317227474. 2

55317227475. 3

55317227476. 4

Question Number : 170 Question Id : 5531726884 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Valvular endocardiosis is due to

- (1) Staphylococcal-valvular infection
- (2) Bordetella-valvular infection
- (3) increase in myxomatous and fibrous tissue in valves
- (4) mycobacterial-valvular-infection

Options :

55317227477. 1

55317227478. 2

55317227479. 3

55317227480. 4

Question Number : 171 Question Id : 5531726885 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Animal species kept in right lateral recumbency for necropsy examination in the given list are

- a) Cattle
- b) Horse
- c) Dog
- d) Sheep

Select the correct option :

- (1) (a) and (b)
- (2) (b) and (c)
- (3) (c) and (d)
- (4) (b) only

Options :

- 55317227481. 1
- 55317227482. 2
- 55317227483. 3
- 55317227484. 4

Question Number : 172 Question Id : 5531726886 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The characteristics post-mortem lesion in blackleg (*Clostridium chauvoei*) is

- (1) Subcutaneous edema without muscle lesions
- (2) Necrotizing myositis
- (3) Muscular hypertrophy
- (4) Degenerative myopathy

Options :

- 55317227485. 1
- 55317227486. 2
- 55317227487. 3
- 55317227488. 4

Question Number : 173 Question Id : 5531726887 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Peripheral blood reticulocyte count is useful in differentiating regenerative and non-regenerative anemia in

- (1) dog
- (2) cattle
- (3) horse
- (4) goat

Options :

- 55317227489. 1
- 55317227490. 2

55317227491. 3

55317227492. 4

Question Number : 174 Question Id : 5531726888 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The envelop shaped urinary crystals detected on microscopic examination of wet preparation are

- (1) hippuric acid
- (2) cystine
- (3) calcium oxalate dihydrate
- (4) calcium oxalate monohydrate

Options :

55317227493. 1

55317227494. 2

55317227495. 3

55317227496. 4

Question Number : 175 Question Id : 5531726889 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Identify the causes of 'Baby chick nephropathy'

- a) Herpesvirus
- b) Enterovirus
- c) Astrovirus
- d) Adenovirus

Select the correct option:

- (1) (a), (b), (c) and (d)
- (2) (a), (b) and (c)
- (3) (b) and (d)
- (4) (c) only

Options :

55317227497. 1

55317227498. 2

55317227499. 3

55317227500. 4

Question Number : 176 Question Id : 5531726890 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Identify the viral etiological agents responsible for gout in poultry

- a) Infectious bronchitis virus
- b) Reovirus
- c) Inclusion body hepatitis virus

Select the correct option:

- (1) (a), (b) and (c)
- (2) (a) and (b)
- (3) (a) and (c)
- (4) (a) alone

Options :

- 55317227501. 1
- 55317227502. 2
- 55317227503. 3
- 55317227504. 4

Question Number : 177 Question Id : 5531726891 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Hydropericardium syndrome in broiler birds is caused by

- (1) Adenovirus - I
- (2) Adenovirus - II
- (3) Adenovirus - III
- (4) Chicken anemia virus

Options :

- 55317227505. 1
- 55317227506. 2
- 55317227507. 3
- 55317227508. 4

Question Number : 178 Question Id : 5531726892 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Chondrodystrophy is encountered in young birds due to deficiency of the following, EXCEPT

- (1) Manganese
- (2) Choline
- (3) Biotin
- (4) Vitamin - D

Options :

- 55317227509. 1
- 55317227510. 2
- 55317227511. 3
- 55317227512. 4

Question Number : 179 Question Id : 5531726893 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Toxicity of bracken fern in non-ruminants has been ascribed to

- (1) Dienone
- (2) Thiaminase
- (3) Pterodin B
- (4) Ptaquiloside

Options :

55317227513. 1

55317227514. 2

55317227515. 3

55317227516. 4

Question Number : 180 Question Id : 5531726894 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Gas bubble disease in aquarium and pond fish is caused by

- (1) Environmental toxins (ammonia, nitrate etc.)
- (2) Gas forming bacterial infection
- (3) Supersaturation of water with oxygen
- (4) Supersaturation of water with carbon dioxide

Options :

55317227517. 1

55317227518. 2

55317227519. 3

55317227520. 4

Question Number : 181 Question Id : 5531726895 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

During microscopic examination of a fly, a very long proboscis projected forward and the third antennal segment with six/seven annulations with clear wings were observed. Based on these findings, the fly may be

- (1) *Chrysops*
- (2) *Haematopota*
- (3) *Tabanus*
- (4) *Pangonia*

Options :

55317227521. 1

55317227522. 2

55317227523. 3

55317227524. 4

Question Number : 182 Question Id : 5531726896 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Choose the correct combination of clearing agent and
respective adult parasites during their processing

- (1) Phenol - Trematode, Cestode, Nematode and Arthropoda
- (2) Lactophenol - Cestode, Nematode, Arthropoda
- (3) Xylol - Trematodes, Cestodes, Nematodes
- (4) Clove oil - Trematodes, Cestodes

Options :

- 55317227525. 1
- 55317227526. 2
- 55317227527. 3
- 55317227528. 4

Question Number : 183 Question Id : 5531726897 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Meat is an important source of

- (1) Vitamin B₁₂
- (2) Vitamin C
- (3) Vitamin E
- (4) Iodine

Options :

- 55317227529. 1
- 55317227530. 2
- 55317227531. 3
- 55317227532. 4

Question Number : 184 Question Id : 5531726898 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The most appropriate example of metazoanoses type-III is

- (1) Paragonimiasis
- (2) Clonorchiasis
- (3) Tick borne encephalitis
- (4) Plague

Options :

- 55317227533. 1
- 55317227534. 2
- 55317227535. 3
- 55317227536. 4

Question Number : 185 Question Id : 5531726899 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following pair is correctly matched?

- (1) *Klebsiella* — Faecal coliform
- (2) Alum — Disinfectant
- (3) Slow sand filter — Sewage disposal
- (4) *Listeria monocytogenes* — Indicator organism

Options :

- 55317227537. 1
- 55317227538. 2
- 55317227539. 3
- 55317227540. 4

Question Number : 186 Question Id : 5531726900 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Anton test is used to assess the virulence of

- (1) *Staphylococcus aureus*
- (2) *Listeria monocytogenes*
- (3) *Salmonella typhi*
- (4) *Bacillus anthracis*

Options :

- 55317227541. 1
- 55317227542. 2
- 55317227543. 3
- 55317227544. 4

Question Number : 187 Question Id : 5531726901 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which among the following parameters is NOT included in cardiac profile tests?

- (1) Alanine transferase
- (2) Lactate dehydrogenase
- (3) Creatine kinase
- (4) Troponin-C

Options :

- 55317227545. 1
- 55317227546. 2
- 55317227547. 3
- 55317227548. 4

Question Number : 188 Question Id : 5531726902 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Among the options given below which is the 'invert' sugar?

- (1) Sucrose
- (2) Glucose
- (3) Cellobiose
- (4) Maltose

Options :

55317227549. 1
55317227550. 2
55317227551. 3
55317227552. 4

Question Number : 189 Question Id : 5531726903 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Ribose and deoxyribose sugars differ in the structure around
single carbon

- (1) C1
- (2) C2
- (3) C3
- (4) C4

Options :

55317227553. 1
55317227554. 2
55317227555. 3
55317227556. 4

Question Number : 190 Question Id : 5531726904 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which among the following is the initiation codon?

- (1) AUG
- (2) UAA
- (3) UAG
- (4) UGA

Options :

55317227557. 1
55317227558. 2
55317227559. 3
55317227560. 4

Question Number : 191 Question Id : 5531726905 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Gene-deletion live attenuated marker vaccine is used against the following disease

- (1) Food and Mouth Disease (FMD)
- (2) Pseudo-Rabies
- (3) Rabies
- (4) Classical Swine Fever (CSF)

Options :

- 55317227561. 1
- 55317227562. 2
- 55317227563. 3
- 55317227564. 4

Question Number : 192 Question Id : 5531726906 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In the process of freeze drying, dense
cell preparations are frozen at

- (1) – 20 °C to – 28 °C
- (2) – 30 °C to – 48 °C
- (3) – 50 °C to – 58 °C
- (4) – 60 °C to – 78 °C

Options :

- 55317227565. 1
- 55317227566. 2
- 55317227567. 3
- 55317227568. 4

Question Number : 193 Question Id : 5531726907 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The number of flagella per cell in a motile bacterium may be

- (1) 1
- (2) 1–20
- (3) 20–50
- (4) More than 50

Options :

- 55317227569. 1
- 55317227570. 2
- 55317227571. 3
- 55317227572. 4

Question Number : 194 Question Id : 5531726908 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The following species of Brucella is NOT zoonotic

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

Options :

- 55317227573. 1
- 55317227574. 2
- 55317227575. 3
- 55317227576. 4

Question Number : 195 Question Id : 5531726909 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which DNA virus is an example of arbovirus?

- (1) Parvovirus
- (2) Asfivirus
- (3) Herpesvirus
- (4) Adenovirus

Options :

- 55317227577. 1
- 55317227578. 2
- 55317227579. 3
- 55317227580. 4

Question Number : 196 Question Id : 5531726910 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Teratogenic effects are seen in

- (1) Food and Mouth Disease (FMD)
- (2) PPR
- (3) Blue tongue
- (4) Sheep pox

Options :

- 55317227581. 1
- 55317227582. 2
- 55317227583. 3
- 55317227584. 4

Question Number : 197 Question Id : 5531726911 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Pattern recognition receptors (PRRs) include

- (1) PAMPs
- (2) Lipoteichoic acid
- (3) Lectin-like molecules
- (4) Unmethylated CpG sequences

Options :

- 55317227585. 1
- 55317227586. 2
- 55317227587. 3
- 55317227588. 4

Question Number : 198 Question Id : 5531726912 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Glycogen Storage Disease Type-II results from a deficiency of which of the following enzymes?

- (1) Phosphorylase
- (2) Phosphofructokinase
- (3) Glucose-6 phosphatase
- (4) Lysosomal acid maltase

Options :

- 55317227589. 1
- 55317227590. 2
- 55317227591. 3
- 55317227592. 4

Question Number : 199 Question Id : 5531726913 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

TNM classification of tumors relates to

- (1) grading of tumors
- (2) clonality of tumors
- (3) typing of tumors
- (4) staging of tumors

Options :

- 55317227593. 1
- 55317227594. 2
- 55317227595. 3
- 55317227596. 4

Question Number : 200 Question Id : 5531726914 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In renal amyloidosis, kidneys grossly depict the following
EXCEPT

- (1) Enlarged and pale colored
- (2) Cortex show fine granular surface
- (3) Iodine application show red-brown staining of glomeruli
- (4) Shrunken and hard

Options :

55317227597. 1

55317227598. 2

55317227599. 3

55317227600. 4