

National Testing Agency

Question Paper Name :	Veterinary Microbiology 23rd Sep 2020 Shift 2 Set 2
Subject Name :	Veterinary Microbiology
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Veterinary Microbiology

Group Number :	1
Group Id :	71087026
Group Maximum Duration :	0
Group Minimum Duration :	120
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	480
Is this Group for Examiner? :	No

Part A General Knowledge

Section Id :	71087076
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 :	Yes
Mark As Answered Required? :	Yes
Sub-Section Number :	1
Sub-Section Id :	71087076
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 7108703061 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which one of the following crops is a commercial crop in Punjab and Haryana but is a subsistence crop in Orissa?

1. Tea
2. Cotton
3. Rubber
4. Rice

Options :

- 71087012241. 1
- 71087012242. 2
- 71087012243. 3
- 71087012244. 4

Question Number : 2 Question Id : 7108703062 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which of the following are the two most important wheat-growing zones of the country?

- A. Ganga-Satluj plains in the north-west
- B. Deltaic regions
- C. Black soil region of the Deccan
- D. Plains of north-east

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

- 1. Only A and B
- 2. Only B and C
- 3. Only C and D
- 4. Only A and C

Options :

- 71087012245. 1
- 71087012246. 2
- 71087012247. 3
- 71087012248. 4

Question Number : 3 Question Id : 7108703063 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Indian agriculture is typically characterized as

- 1. Land surplus, labour scarce economy
- 2. Land surplus, labour surplus economy
- 3. Land scarce, labour surplus economy
- 4. Land scarce, labour scarce economy

Options :

- 71087012249. 1

71087012250. 2

71087012251. 3

71087012252. 4

Question Number : 4 Question Id : 7108703064 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which one of the following countries is the main rival of India in tea export?

1. China
2. Japan
3. Germany
4. Sri Lanka

Options :

71087012253. 1

71087012254. 2

71087012255. 3

71087012256. 4

Question Number : 5 Question Id : 7108703065 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement A: MSP is declared by the government every year to provide incentives to the farmers for raising the production of crops.

Statement B: Buffer stock is created to distribute food grains in the deficit areas and among the poorer strata of the society at the lower price than the market price.

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

1. Both Statement A and Statement B are correct
2. Both Statement A and Statement B are incorrect
3. Statement A is correct but Statement B is incorrect
4. Statement A is incorrect but Statement B is correct

Options :

- 71087012257. 1
- 71087012258. 2
- 71087012259. 3
- 71087012260. 4

Question Number : 6 Question Id : 7108703066 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which one of the following is a global association of nations of the world to help cooperation in international law, security, economic development and social equity?

1. United Nations Organization
2. International Monetary Fund
3. World Bank
4. World Health Organization

Options :

- 71087012261. 1
- 71087012262. 2
- 71087012263. 3
- 71087012264. 4

Question Number : 7 Question Id : 7108703067 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Under the Ganga Action Plan Phase II, pollution abatement works are being taken up in how many towns?

- 1. 57
- 2. 65
- 3. 52
- 4. 69

Options :

- 71087012265. 1
- 71087012266. 2
- 71087012267. 3
- 71087012268. 4

Question Number : 8 Question Id : 7108703068 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which one of the following statements is **incorrect**?

- 1. The highest number of pigs in the world are found in India
- 2. Utter Pradesh provides largest amount of pork
- 3. Assam has the largest number of pork producing pigs
- 4. Pork constitutes about 7.6% of the total meat produced in India

Options :

71087012269. 1

71087012270. 2

71087012271. 3

71087012272. 4

Question Number : 9 Question Id : 7108703069 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which type of N-fertilizer is suitable for water-logged soils?

1. Zinc Phosphate
2. Ammonium Sulphate
3. Calcium
4. Potassium Nitrate

Options :

71087012273. 1

71087012274. 2

71087012275. 3

71087012276. 4

Question Number : 10 Question Id : 7108703070 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

The famous Bailadila range of hills in the Bastar district of Chhattisgarh is famous for its

1. Bauxite deposits
2. Manganese deposits
3. Copper deposits
4. High-grade haematite deposits

Options :

71087012277. 1

71087012278. 2

71087012279. 3

71087012280. 4

Question Number : 11 Question Id : 7108703071 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

A farmer wishes to start a 100 sq. m rectangular vegetable garden. Since he has only 30m barbed wire, he fences three sides of the garden letting his house compound wall act as the fourth side fencing. What is the dimension of the garden?

1. 15 m x 6.67m
2. 20 m x 5 m
3. 30 m x 3.33 m
4. 40 m x 2.5 m

Options :

71087012281. 1

71087012282. 2

71087012283. 3

71087012284. 4

Question Number : 12 Question Id : 7108703072 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

In which one of the following industries, the consumption of natural rubber is the largest?

1. Auto tyres and tubes
2. Footwear
3. Dipped goods
4. Latex foam

Options :

71087012285. 1

71087012286. 2

71087012287. 3

71087012288. 4

Question Number : 13 Question Id : 7108703073 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which one of the following countries was the partner country of 34th Surajkund International Crafts Fair held in Haryana?

1. China
2. Nepal
3. Bhutan
4. Uzbekistan

Options :

71087012289. 1

71087012290. 2

71087012291. 3

71087012292. 4

Question Number : 14 Question Id : 7108703074 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Nobel laureate Abhijit Vinayak Banerjee was conferred the honorary Doctor of Letters (D. Litt.) by which University?

1. University of Delhi
2. University of Kolkata
3. University of Mumbai
4. University of Hyderabad

Options :

- 71087012293. 1
- 71087012294. 2
- 71087012295. 3
- 71087012296. 4

Question Number : 15 Question Id : 7108703075 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Where is the headquarters of European Union?

- 1. Geneva, Switzerland
- 2. Washington D.C., USA
- 3. New York, US
- 4. Brussels, Belgium

Options :

- 71087012297. 1
- 71087012298. 2
- 71087012299. 3
- 71087012300. 4

Question Number : 16 Question Id : 7108703076 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which of the following would be deficient if one finds high somatic cell count in the cow's milk?

- 1. Butterfat
- 2. Whey protein
- 3. Casein
- 4. Trace minerals

Options :

- 71087012301. 1
- 71087012302. 2
- 71087012303. 3
- 71087012304. 4

Question Number : 17 Question Id : 7108703077 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Who was the first administrator-statesman to attempt planning as a means for economic development?

- 1. C. Rajagopalachari
- 2. V. T. Krishnamachari
- 3. M. Viswesvarayya
- 4. Sir C. P. Ramaswami Aiyar

Options :

- 71087012305. 1
- 71087012306. 2
- 71087012307. 3
- 71087012308. 4

Question Number : 18 Question Id : 7108703078 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Amazon rainforest span over nine countries. In August 2019, in which country did a deadly fire broke out in the Amazon forest?

- 1. Brazil
- 2. Venezuela
- 3. Colombia
- 4. Argentina

Options :

- 71087012309. 1
- 71087012310. 2
- 71087012311. 3
- 71087012312. 4

Question Number : 19 Question Id : 7108703079 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Economic liberalization in India started with

- 1. Sustainable changes in industrial licensing policy
- 2. The convertibility of the Indian Rupee
- 3. Significant reduction of tax rates
- 4. Changes in procedural formalities for FDI

Options :

- 71087012313. 1
- 71087012314. 2
- 71087012315. 3
- 71087012316. 4

Question Number : 20 Question Id : 7108703080 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

The term 'Delimitation' which was in news recently is associated with which process?

- 1. Fixing the limit of Income tax
- 2. Fixing limits of Affordable housing
- 3. Fixing limits of Territorial constituencies
- 4. Fixing limits of Chairpersons salary

Options :

- 71087012317. 1

71087012318. 2

71087012319. 3

71087012320. 4

Part B Core Veterinary and Animal Sciences-II

Section Id :	71087077
Section Number :	2
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	50
Number of Questions to be attempted :	50
Section Marks :	200
Display Number Panel :	Yes
Group All Questions :	Yes
Mark As Answered Required? :	Yes
Sub-Section Number :	1
Sub-Section Id :	71087077
Question Shuffling Allowed :	Yes

Question Number : 21 Question Id : 7108703081 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Bullet-shaped punched holes in the processed hide of cattle is caused by the larvae of

1. *Hypoderma bovis*
2. *Gasterophilus intestinalis*
3. *Glossina pedipalps*
4. *Chrysomya bezziana*

Options :

71087012321. 1

71087012322. 2

71087012323. 3

71087012324. 4

Question Number : 22 Question Id : 7108703082 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following is a pupiparous fly?

1. *Oestrus ovis*
2. *Stomoxys calcitrans*
3. *Musca conducens*
4. *Glossina pedipalps*

Options :

71087012325. 1

71087012326. 2

71087012327. 3

71087012328. 4

Question Number : 23 Question Id : 7108703083 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Oocysts and *Cryptosporidium* can be demonstrated in faecal smears stained with

1. Giemsa staining
2. Iodine staining
3. Leishman staining
4. Modified ZN staining

Options :

71087012329. 1

71087012330. 2

71087012331. 3

71087012332. 4

Question Number : 24 Question Id : 7108703084 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The winter resting site of the first larvae of *Hypoderma lineatum* is

1. Oesophageal wall
2. Skin
3. Spinal cord
4. Peritoneal cavity

Options :

71087012333. 1

71087012334. 2

71087012335. 3

71087012336. 4

Question Number : 25 Question Id : 7108703085 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Imidocarb is used for the treatment of

1. Babesiosis
2. Theileriosis
3. Trypanosomosis
4. Trichomonosis

Options :

71087012337. 1

71087012338. 2

71087012339. 3

71087012340. 4

Question Number : 26 Question Id : 7108703086 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is

Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following is the principal strain of *Echinococcus granulosus* infecting humans?

1. Sheep strain
2. Horse strain
3. Pig strain
4. Camel strain

Options :

71087012341. 1

71087012342. 2

71087012343. 3

71087012344. 4

Question Number : 27 Question Id : 7108703087 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is

Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Sparganosis in humans is caused by

1. *Linguatula serrata*
2. *Schistocephalus solidus*
3. *Spirometra mansonioides*
4. *Dracunculus medinensis*

Options :

71087012345. 1

71087012346. 2

71087012347. 3

71087012348. 4

Question Number : 28 Question Id : 7108703088 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is

Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The second-generation pre-erythrocytic schizonts of Plasmodium are known as

1. Cryptozoites
2. Meta cryptozoites
3. Phanerozoites
4. Cytomeres

Options :

- 71087012349. 1
- 71087012350. 2
- 71087012351. 3
- 71087012352. 4

Question Number : 29 Question Id : 7108703089 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following cells has the most efficient role in killing schistosomula?

1. Mast cells
2. Eosinophils
3. Neutrophils
4. Basophils

Options :

- 71087012353. 1
- 71087012354. 2
- 71087012355. 3
- 71087012356. 4

Question Number : 30 Question Id : 7108703090 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Most pathogenic species of *Sarcocystis* in sheep is

1. *Sarcocystis cruzi*
2. *Sarcocystis arieticanis*
3. *Sarcocystis mischeriana*
4. *Sarcocystis tenella*

Options :

- 71087012357. 1
- 71087012358. 2
- 71087012359. 3
- 71087012360. 4

Question Number : 31 Question Id : 7108703091 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Among the following pathogens, which one is NOT an agent of Bioterrorism?

1. *Burkholderia mallei*
2. *Bacillus anthracis*
3. *Pasteurella multocida*
4. *Francisella tularensis*

Options :

- 71087012361. 1
- 71087012362. 2
- 71087012363. 3
- 71087012364. 4

Question Number : 32 Question Id : 7108703092 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

National Livestock Disease Database is maintained at which one of the following institutes in India?

1. Indian Veterinary Research Institute (IVRI)
2. National Institute of Veterinary Epidemiology and Disease Informatics (NIVEDI)
3. National Dairy Research Institute (NDRI)
4. National Institute of High Security Animal Diseases (NIHSAD)

Options :

- 71087012365. 1
- 71087012366. 2
- 71087012367. 3
- 71087012368. 4

Question Number : 33 Question Id : 7108703093 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Most common circulating serotype of Foot and Mouth Disease virus in India is

1. 'O'
2. 'C'
3. Asia-1
4. SAT-1

Options :

- 71087012369. 1
- 71087012370. 2
- 71087012371. 3
- 71087012372. 4

Question Number : 34 Question Id : 7108703094 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

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

List I	List II
A. HACCP	I. Sardar Vallabhbhai Patel
B. AMUL	II. Stanley B. Prusiner
C. Sanitary idea	III. H.E. Bauman
D. Prions	IV. Edwin Chadwick

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

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

Options :

- 71087012373. 1
- 71087012374. 2
- 71087012375. 3
- 71087012376. 4

Question Number : 35 Question Id : 7108703095 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Who among the following is regarded as 'Father of Veterinary Epidemiology'?

1. Robert Koch
2. Louis Pasteur
3. Calvin W. Schwabe
4. Thygard

Options :

- 71087012377. 1
- 71087012378. 2
- 71087012379. 3

71087012380. 4

Question Number : 36 Question Id : 7108703096 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Air-borne diseases in humans and animals occur mainly due to the presence of

- A. Dust
- B. Toxic chemicals
- C. High temperature
- D. Infectious droplets
- E. Low temperature

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

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

Options :

- 71087012381. 1
- 71087012382. 2
- 71087012383. 3
- 71087012384. 4

Question Number : 37 Question Id : 7108703097 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: The sanitizing agents commonly used in abattoirs include halogens, Quaternary ammonium compounds, amphoteric compounds and inorganic acids/alkalis

Statement II: The strength of chlorine required for abattoirs sanitation is in the range of 130-250 ppm

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

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

Options :

71087012385. 1

71087012386. 2

71087012387. 3

71087012388. 4

Question Number : 38 Question Id : 7108703098 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Clinical forms of anthrax in humans are

- A. Cutaneous form
- B. Occular form
- C. Pulmonary form
- D. Meningitis form
- E. Gastro-intestinal form

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

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

Options :

- 71087012389. 1
- 71087012390. 2
- 71087012391. 3
- 71087012392. 4

Question Number : 39 Question Id : 7108703099 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Personal Protective Equipment (PPE) and showers are must to work in a laboratory of Biosafety level

- A. Biosafety Level-1
- B. Biosafety Level-2
- C. Biosafety Level-3
- D. Biosafety Level-4

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

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

Options :

- 71087012393. 1
- 71087012394. 2
- 71087012395. 3
- 71087012396. 4

Question Number : 40 Question Id : 7108703100 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Mark the correct pairs of biological transmission types and the diseases

- A. Propagative type: Plague
- B. Cyclo - propagative type: Anthrax
- C. Cyclo - developmental type: Microfilaria
- D. Transovarian type: Tick-borne Encephalitis

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

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

Options :

- 71087012397. 1
- 71087012398. 2
- 71087012399. 3
- 71087012400. 4

Question Number : 41 Question Id : 7108703101 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which one of the following is a differential and selective media?

- 1. Blood Agar
- 2. Mannitol Salt Agar
- 3. Chocolate Agar
- 4. Egg Yolk Agar

Options :

- 71087012401. 1

71087012402. 2

71087012403. 3

71087012404. 4

Question Number : 42 Question Id : 7108703102 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which of the following are characteristic of *Rhodococcus equi*?

- A. It produces Salmon Pink Colonies on Nutrient Agar
- B. It ferments Glucose, Maltose and Sucrose
- C. It produces a synergistic hemolytic effect with *Corynebacterium pseudotuberculosis*
- D. Its host range is restricted to equines

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

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

Options :

71087012405. 1

71087012406. 2

71087012407. 3

71087012408. 4

Question Number : 43 Question Id : 7108703103 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which one among the following is anaerobic and capnophilic?

1. *Actinomyces* spp.
2. *Nocardia* spp.
3. *Streptomyces* spp.
4. *Dermatophilus* spp.

Options :

71087012409. 1
71087012410. 2
71087012411. 3
71087012412. 4

Question Number : 44 Question Id : 7108703104 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Common presentation in Chronic Q fever in humans is

1. Endocarditis
2. Flu-like symptoms
3. Fever, myalgia and headaches
4. It is not zoonotic in nature

Options :

71087012413. 1
71087012414. 2
71087012415. 3
71087012416. 4

Question Number : 45 Question Id : 7108703105 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following is NOT used for cultivation of *Leptospira* spp.?

1. Fletcher Semi Solid medium
2. Korthof and Stuart broths
3. Thayer-Martin medium
4. EMJH medium

Options :

- 71087012417. 1
- 71087012418. 2
- 71087012419. 3
- 71087012420. 4

Question Number : 46 Question Id : 7108703106 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which of the following characteristics are NOT related to the family Orthomyxoviridae?

- A. Negative stranded RNA
- B. Non-segmented RNA
- C. Enveloped
- D. Icosahedral symmetry

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

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

Options :

- 71087012421. 1

71087012422. 2

71087012423. 3

71087012424. 4

Question Number : 47 Question Id : 7108703107 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which of the following are true about Hybridoma technology of monoclonal antibody production?

- A. Uridine pathway of DNA synthesis is blocked by Hypoxanthine
- B. Polyethylene Glycol is used to fuse B cell and myeloma cell
- C. Myeloma cell has own HPRT enzyme
- D. HAT medium contains Hypoxanthine, Thymidine and Aminopterin

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

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

Options :

71087012425. 1

71087012426. 2

71087012427. 3

71087012428. 4

Question Number : 48 Question Id : 7108703108 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Equine encephalosis virus is a member of which one of the following families?

1. Orthomyxoviridae
2. Paramyxoviridae
3. Reoviridae
4. Togaviridae

Options :

- 71087012429. 1
- 71087012430. 2
- 71087012431. 3
- 71087012432. 4

Question Number : 49 Question Id : 7108703109 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Porcine herpesvirus I is the causative agent of

1. Aujeszky's disease
2. Inclusion Body Rhinitis of Pigs
3. Transmissible gastroenteritis
4. African Swine fever

Options :

- 71087012433. 1
- 71087012434. 2
- 71087012435. 3
- 71087012436. 4

Question Number : 50 Question Id : 7108703110 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following is NOT a member of family Paramyxoviridae?

- A. Equine Influenza Virus
- B. Bovine Parainfluenza Virus
- C. Equine Rhinitis B Virus
- D. Canine Parainfluenza Virus

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

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

Options :

- 71087012437. 1
- 71087012438. 2
- 71087012439. 3
- 71087012440. 4

Question Number : 51 Question Id : 7108703111 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The giant cells present in the gout are

- 1. Langhan's type
- 2. Foreign body type
- 3. Tumour giant cell
- 4. Touton giant cell

Options :

- 71087012441. 1

71087012442. 2

71087012443. 3

71087012444. 4

Question Number : 52 Question Id : 7108703112 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Rotation of intestine along its long axis is known as

1. Torsion
2. Volvulus
3. Intussusception
4. Prolapse

Options :

71087012445. 1

71087012446. 2

71087012447. 3

71087012448. 4

Question Number : 53 Question Id : 7108703113 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

White muscle disease is characterized by

1. Coagulative necrosis of muscles
2. Caseative necrosis of muscles
3. Liquifactive necrosis of muscles
4. Fat necrosis of muscles

Options :

71087012449. 1

71087012450. 2

71087012451. 3

71087012452. 4

Question Number : 54 Question Id : 7108703114 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Most widely used diagnostic test used for the diagnosis of Ranikhet disease is

1. Complement Fixation test
2. Hemagglutination Inhibition Assay
3. Serum neutralization test
4. Agar gel precipitation test

Options :

- 71087012453. 1
- 71087012454. 2
- 71087012455. 3
- 71087012456. 4

Question Number : 55 Question Id : 7108703115 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

The very first manifestation of all forms of cell injury is

1. Cell shrinkage
2. Nuclear shrinkage
3. Nuclear swelling
4. Cell swelling

Options :

- 71087012457. 1
- 71087012458. 2
- 71087012459. 3
- 71087012460. 4

Question Number : 56 Question Id : 7108703116 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which one of the following is known as Wear and Tear pigment?

1. Lipofuscin
2. Melanin
3. Hemosiderin
4. Porphyria

Options :

- 71087012461. 1
- 71087012462. 2
- 71087012463. 3
- 71087012464. 4

Question Number : 57 Question Id : 7108703117 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Endocarditis is most frequently seen in

1. Cattle
2. Sheep
3. Horse
4. Pig

Options :

- 71087012465. 1
- 71087012466. 2
- 71087012467. 3
- 71087012468. 4

Question Number : 58 Question Id : 7108703118 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

The cells of the stratum corneum layer contain a nucleus in case of

1. Hyperkeratosis
2. Parakeratosis
3. Dyskeratosis
4. Keratitis

Options :

- 71087012469. 1
- 71087012470. 2
- 71087012471. 3
- 71087012472. 4

Question Number : 59 Question Id : 7108703119 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Blue bag disease in rabbits is characterized by

1. Metritis
2. Cervicitis
3. Vulvitis
4. Mastitis

Options :

- 71087012473. 1
- 71087012474. 2
- 71087012475. 3
- 71087012476. 4

Question Number : 60 Question Id : 7108703120 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The infectious canine hepatitis virus is excreted from the body of host through

1. Nasal secretions
2. Saliva
3. Urine
4. Feces

Options :

- 71087012477. 1
- 71087012478. 2
- 71087012479. 3
- 71087012480. 4

Question Number : 61 Question Id : 7108703121 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: Dairyman/milkman may suffer from bacterial, viral and parasitic diseases from milk-borne diseases

Statement II: Agents causing food-borne infections are *Salmonella*, *Bacillus cereus*

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

1. Both Statement I and Statement II are correct
2. Both Statement I and Statement II are incorrect
3. Statement I is correct but Statement II is incorrect
4. Statement I is incorrect but Statement II is correct

Options :

- 71087012481. 1
- 71087012482. 2
- 71087012483. 3

71087012484. 4

Question Number : 62 Question Id : 7108703122 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: 99% of the microorganisms on the meat surface are bacteria

Statement II: Commonly found moulds on meat surface are *Penicillium*, *Mucor*, *Aspergillus* etc.

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

1. Both Statement I and Statement II are correct
2. Both Statement I and Statement II are incorrect
3. Statement I is correct but Statement II is incorrect
4. Statement I is incorrect but Statement II is correct

Options :

- 71087012485. 1
- 71087012486. 2
- 71087012487. 3
- 71087012488. 4

Question Number : 63 Question Id : 7108703123 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which disease CANNOT be detected during an antemortem inspection of cattle?

1. FMD
2. Rabies
3. Anthrax
4. Listeriosis

Options :

- 71087012489. 1
- 71087012490. 2
- 71087012491. 3
- 71087012492. 4

Question Number : 64 Question Id : 7108703124 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: *Streptococcus* spp. are used for production of fermented milk products

Statement II: *Lactobacillus acidophilus* colonizes human intestine and produces protective substances

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

1. Both Statement I and Statement II are correct
2. Both Statement I and Statement II are incorrect
3. Statement I is correct but Statement II is incorrect
4. Statement I is incorrect but Statement II is correct

Options :

- 71087012493. 1
- 71087012494. 2
- 71087012495. 3
- 71087012496. 4

Question Number : 65 Question Id : 7108703125 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

All the following statements regarding parasites are true, EXCEPT

1. *Entamoeba histolytica* causes disease in liver but most common site in host is caecum and cysts are with four nuclei
2. *Giardia lamblia* causes steatorrhoea and effects mostly travellers and cyst is with four nuclei
3. *Cryptosporidium parvum* is mostly in immunocompromised individuals and the oocysts are with four sporozoites.
4. *Toxoplasma gondii* causes still-births, nervous signs in a definitive host and the oocyst is with two sporocysts each with four sporozoites

Options :

- 71087012497. 1
- 71087012498. 2
- 71087012499. 3
- 71087012500. 4

Question Number : 66 Question Id : 7108703126 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following parasites' average size is comparable to the size of a microscopic glass slide?

1. *Heterakis gallinarum* (female)
2. *Trichuris ovis* (female)
3. *Fasciola gigantica*
4. *Anoplocephala perfoliata*

Options :

- 71087012501. 1
- 71087012502. 2
- 71087012503. 3
- 71087012504. 4

Question Number : 67 Question Id : 7108703127 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is

**Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1**

In a bug prevalent area, most of the individuals are with Romana's sign, mega oesophagus, megacolon leading to difficulties with eating and passing stool. Based on the given information, what may be the possible causative agent?

1. *Trypanosoma gambiense*
2. *Trypanosoma congolense*
3. *Trypanosoma cruzi*
4. *Leishmania donovani*

Options :

- 71087012505. 1
- 71087012506. 2
- 71087012507. 3
- 71087012508. 4

**Question Number : 68 Question Id : 7108703128 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1**

All the following statements are true about *Trichostrongylus colubriformis*, EXCEPT

1. It causes protein-losing gastropathy in sheep
2. The worms are popularly known as wireworms of ruminants
3. It produces ringworm like lesions in abomasum of sheep
4. Sheep that are immune to *Haemonchus contortus* are susceptible to *Trichostrongylus* spp. and vice versa

Options :

- 71087012509. 1
- 71087012510. 2
- 71087012511. 3
- 71087012512. 4

Question Number : 69 Question Id : 7108703129 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which one of the following statements is NOT correct about fleas?

1. Fleas are laterally flattened and are preserved in 10% formalin
2. Fleas are dorsoventrally flattened and are well preserved in 10% formalin
3. Fleas are dorsoventrally flattened and are well preserved in 70% alcohol
4. Fleas are laterally flattened and are well preserved in 70% alcohol

Options :

- 71087012513. 1
- 71087012514. 2
- 71087012515. 3
- 71087012516. 4

Question Number : 70 Question Id : 7108703130 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Metaphylactic is one of the indications of anthelmintic treatment and is aimed mainly to

1. Save the life of the clinically diseased animals
2. Prevent the contamination with helminth eggs thereby limiting infection to an economically acceptable level
3. Prevent the outbreak of a disease/ the elimination of a helminth species from a defined area
4. Refer to treatments at predetermined intervals

Options :

- 71087012517. 1
- 71087012518. 2
- 71087012519. 3
- 71087012520. 4

Part C Veterinary Microbiology

Section Id :	71087078
Section Number :	3
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	50
Number of Questions to be attempted :	50
Section Marks :	200
Display Number Panel :	Yes
Group All Questions :	Yes
Mark As Answered Required? :	Yes
Sub-Section Number :	1
Sub-Section Id :	71087078
Question Shuffling Allowed :	Yes

Question Number : 71 Question Id : 7108703131 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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

List I	List II
A. Vaccination	I. Robert Koch
B. Germ theory postulates	II. Edward Jenner
C. Pasteurization	III. Alexander Fleming
D. Penicillin	IV. Louis Pasteur

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

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

Options :

- 71087012521. 1
- 71087012522. 2
- 71087012523. 3
- 71087012524. 4

Question Number : 72 Question Id : 7108703132 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which of the following are classified as enrichment media?

- A. Blood agar
- B. MacConkey agar
- C. Rappaport medium
- D. Chocolate Agar

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

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

Options :

- 71087012525. 1
- 71087012526. 2
- 71087012527. 3
- 71087012528. 4

Question Number : 73 Question Id : 7108703133 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

The capsular antigen of bacteria is denoted by the letter

1. C
2. F
3. K
4. O

Options :

71087012529. 1
71087012530. 2
71087012531. 3
71087012532. 4

Question Number : 74 Question Id : 7108703134 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

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

List I	List II
A. Fimbrial Antigen	I. 'H' Antigen
B. Somatic Antigen	II. 'CFA' Antigen
C. Flagellar Antigen	III. 'O' Antigen
D. Capsular Antigen	IV. 'K' Antigen

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

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

Options :

71087012533. 1
71087012534. 2

71087012535. 3

71087012536. 4

Question Number : 75 Question Id : 7108703135 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following has a Polypeptide capsule?

1. *Bacillus anthracis*
2. *Clostridium perfringens*
3. *Streptococcus pyogenes*
4. *Bordetella bronchiseptica*

Options :

71087012537. 1

71087012538. 2

71087012539. 3

71087012540. 4

Question Number : 76 Question Id : 7108703136 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

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

List I	List II
A. Tetracyclines	I. Inhibition of DNA gyrase
B. Macrolides	II. Inhibition of transpeptidation reaction
C. Fluoroquinolones	III. Binds to 50S subunits of the ribosome
D. Cephalosporins	IV. Binds to 30S subunits of the ribosome

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

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

Options :

71087012541. 1
71087012542. 2
71087012543. 3
71087012544. 4

Question Number : 77 Question Id : 7108703137 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which of the following are the correct biochemical profile of Gram-positive cocci?

A. *Staphylococcus* spp. - Catalase +ve / Oxidase +ve / OF Fermentative

B. *Streptococcus* spp. - Catalase -ve / Oxidase -ve / OF Fermentative

C. *Micrococcus* spp. - Catalase +ve / Oxidase +ve / OF Oxidative

D. *Enterococcus* spp. - Catalase -ve / Oxidase -ve / OF Oxidative

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

1. B only

2. A and B only

3. B and C only

4. A and C only

Options :

71087012545. 1

71087012546. 2

71087012547. 3

71087012548. 4

Question Number : 78 Question Id : 7108703138 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is

Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

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

List I	List II
A. <i>Streptococcus suis</i>	I. Lancefield group - B
B. <i>Streptococcus equi</i> subsp. <i>zooepidemicus</i>	II. Lancefield group - D
C. <i>Streptococcus canis</i>	III. Lancefield group - C
D. <i>Streptococcus agalactiae</i>	IV. Lancefield group - G

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

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

Options :

- 71087012549. 1
- 71087012550. 2
- 71087012551. 3
- 71087012552. 4

Question Number : 79 Question Id : 7108703139 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following characteristics is unrelated to *Listeria monocytogenes*?

1. Growth over wide-range of temperatures (4 - 45°C)
2. Growth within a limited pH range (4 - 6)
3. Facultative anaerobic
4. Catalase positive and oxidase negative

Options :

- 71087012553. 1
- 71087012554. 2
- 71087012555. 3

71087012556. 4

Question Number : 80 Question Id : 7108703140 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which among the following are characteristics of *Bacillus anthracis*?

- A. Motile
- B. Weakly or non-haemolytic on blood agar
- C. Mucoid colonies on nutrient agar
- D. Weak lecithinase activity

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

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

Options :

- 71087012557. 1
- 71087012558. 2
- 71087012559. 3
- 71087012560. 4

Question Number : 81 Question Id : 7108703141 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which of the following characteristics are found in *Clostridium perfringens*?

- A. Aerotolerant anaerobe
- B. Motile by peritrichous flagella
- C. Capsulated
- D. Double zone of haemolysis

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

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

Options :

- 71087012561. 1
- 71087012562. 2
- 71087012563. 3
- 71087012564. 4

Question Number : 82 Question Id : 7108703142 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Oedema disease of pigs is caused by

- 1. *Salmonella suis*
- 2. *Pasteurella multocida*
- 3. *Escherichia coli*
- 4. *Aeromonas hydrophila*

Options :

- 71087012565. 1

71087012566. 2

71087012567. 3

71087012568. 4

Question Number : 83 Question Id : 7108703143 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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

List I	List II
A. <i>Haemophilus somni</i>	I. Glasser's disease
B. <i>Haemophilus parasuis</i>	II. Fowl cholera
C. <i>Avibacterium paragallinarum</i>	III. Thromboembolic meningioencephalitis (TEME)
D. <i>Pasteurella multocida</i>	IV. Fowl coryza

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

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

Options :

71087012569. 1

71087012570. 2

71087012571. 3

71087012572. 4

Question Number : 84 Question Id : 7108703144 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which of the following is/are the **incorrect** combination(s) of Maintenance hosts and Incidental hosts for various Leptospira serovars?

	Serovars	Maintenance Hosts	Incidental Hosts
A.	Canicola	Dogs	Cattle & Pigs
B.	Hardjo	Cattle; occasionally Sheep	Humans
C.	Icterohaemorrhagiae	Dogs	Sheep
D.	Pomona	Horse	Pigs & Cattle

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

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

Options :

- 71087012573. 1
- 71087012574. 2
- 71087012575. 3
- 71087012576. 4

Question Number : 85 Question Id : 7108703145 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which Brucella vaccine is prepared from a natural rough mutant strain?

- A. Strain - 19
- B. Rev
- C. RB - 51
- D. Strain 45/20

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

- 1. A and B only
- 2. B and C only
- 3. C only
- 4. A only

Options :

- 71087012577. 1
- 71087012578. 2
- 71087012579. 3
- 71087012580. 4

Question Number : 86 Question Id : 7108703146 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which of the following statements are *incorrect* about *Mycobacterium avium* subsp. *paratuberculosis*?

- A. It is an acid-fast organism and capnophilic
- B. It can cause Crohn's disease in humans
- C. It requires 16 weeks for visible colonies on agar
- D. It is anaerobic and has a long incubation period

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

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

Options :

- 71087012581. 1
- 71087012582. 2
- 71087012583. 3
- 71087012584. 4

Question Number : 87 Question Id : 7108703147 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In growth curve experiment, after a period of exponential growth, some microbes have a long period where the population size remains more or less constant. This phenomenon is called

- 1. Turbidostatic growth
- 2. Viable but non-culturable growth
- 3. Extended stationary growth
- 4. Chemostatic growth

Options :

- 71087012585. 1
- 71087012586. 2
- 71087012587. 3
- 71087012588. 4

Question Number : 88 Question Id : 7108703148 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: *Mycoplasma mycoides* subsp. *mycoides* (small colony type) is the causative agent of contagious Bovine Pleuropneumonia (CBPP) in cattle and buffaloes

Statement II: *Mycoplasma capricolum* subsp. *capricolum* is the causative agent of contagious caprine pleuropneumonia (CCPP) in goat

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

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

Options :

- 71087012589. 1
- 71087012590. 2
- 71087012591. 3
- 71087012592. 4

Question Number : 89 Question Id : 7108703149 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following about viruses and their families is correctly matched?

1. Lumpy skin disease - Papovaviridae
2. Pseudo-lumpy skin disease - Herpesviridae
3. Transmissible gastroenteritis of swine - Flaviviridae
4. Vesicular exanthema of swine - Coronaviridae

Options :

- 71087012593. 1
- 71087012594. 2
- 71087012595. 3
- 71087012596. 4

Question Number : 90 Question Id : 7108703150 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following properties is NOT exhibited by members of family coronaviridae?

1. Single-stranded positive sense RNA
2. Icosahedral symmetry
3. Enveloped virion
4. Linear genome

Options :

- 71087012597. 1
- 71087012598. 2
- 71087012599. 3
- 71087012600. 4

Question Number : 91 Question Id : 7108703151 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: Rabies virus can be cultured in neuroblastoma cells or baby hamster kidney cells

Statement II: FMD virus isolation is carried out in a special cell line such as primary bovine thyroid or kidney cells

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

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

Options :

71087012601. 1

71087012602. 2

71087012603. 3

71087012604. 4

Question Number : 92 Question Id : 7108703152 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which among the following have intra-nuclear inclusion bodies?

A. Herpesviridae

B. Parvoviridae

C. Rhabdoviridae

D. Poxviridae

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

1. A and C only

2. A and D only

3. A and B only

4. B and C only

Options :

71087012605. 1

71087012606. 2

71087012607. 3

71087012608. 4

Question Number : 93 Question Id : 7108703153 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is

Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

'Trojan horse' mechanism is seen in

A. Equine Infection Anaemia Virus

B. Cytomegalo virus

C. Rabies virus

D. Rota virus

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

1. A only

2. A and B only

3. B and C only

4. D only

Options :

71087012609. 1

71087012610. 2

71087012611. 3

71087012612. 4

Question Number : 94 Question Id : 7108703154 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is

Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Canine parvovirus show haemagglutination with RBC of

- A. Swine
- B. Poultry
- C. Cattle
- D. Rhesus monkey

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

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

Options :

- 71087012613. 1
- 71087012614. 2
- 71087012615. 3
- 71087012616. 4

Question Number : 95 Question Id : 7108703155 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Antiviral drug Rimantadine affects which process of virus growth?

- 1. Regulation of translation
- 2. Replication of viral DNA genome
- 3. Replication of viral RNA genome
- 4. Uncoating of virus

Options :

- 71087012617. 1

71087012618. 2

71087012619. 3

71087012620. 4

Question Number : 96 Question Id : 7108703156 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which among the following is NOT a member of family Parvoviridae?

A. Feline panleukopenia virus

B. Aleutian mink disease virus

C. Mink enteritis virus

D. Feline infectious peritonitis virus

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

1. A and B only

2. A and C only

3. A and D only

4. D only

Options :

71087012621. 1

71087012622. 2

71087012623. 3

71087012624. 4

Question Number : 97 Question Id : 7108703157 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which of the following viruses are members of family Adenoviridae?

- A. Egg-drop syndrome virus
- B. Inclusion body hepatitis virus
- C. Teschn/Talfam disease virus
- D. Infectious bronchitis virus

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

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

Options :

- 71087012625. 1
- 71087012626. 2
- 71087012627. 3
- 71087012628. 4

Question Number : 98 Question Id : 7108703158 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which of the following are properties associated with Infectious Laryngotracheitis Virus?

- A. Cultivated by yolk sac route of embryonated eggs
- B. Member of the sub family alphaherpesvirinae
- C. Become latent in trigeminal ganglia
- D. It has several serotypes.

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

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

Options :

- 71087012629. 1
- 71087012630. 2
- 71087012631. 3
- 71087012632. 4

Question Number : 99 Question Id : 7108703159 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

In which of the following viruses, both intranuclear and intracytoplasmic inclusion bodies are found?

- A. Canine parvovirus
- B. Canine distemper virus
- C. Infectious canine hepatitis virus
- D. Inclusion body hepatitis virus

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

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

Options :

- 71087012633. 1
- 71087012634. 2
- 71087012635. 3
- 71087012636. 4

Question Number : 100 Question Id : 7108703160 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which among the following are correctly matched genus and the number of its dsRNA segments in the family Reoviridae?

A. Orthoreovirus - 11 Segments.

B. Orbivirus - 10 Segments.

C. Rotavirus - 11 Segments.

D. Calicivirus - 10 Segments.

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

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

Options :

71087012637. 1

71087012638. 2

71087012639. 3

71087012640. 4

Question Number : 101 Question Id : 7108703161 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is

Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: In Respirovirus and Rubulavirus, peplomers HN and F are present

Statement II: In Morbillivirus, peplomers G and F are present

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

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

Options :

71087012641. 1

71087012642. 2

71087012643. 3

71087012644. 4

Question Number : 102 Question Id : 7108703162 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is

Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which among the following are members of the family Coronaviridae?

- A. Feline infectious peritonitis virus
- B. Feline leukaemia virus
- C. Feline panleukopenia virus
- D. Transmissible gastroenteritis virus of pigs

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

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

Options :

- 71087012645. 1
- 71087012646. 2
- 71087012647. 3
- 71087012648. 4

Question Number : 103 Question Id : 7108703163 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

The term Mitosporic Fungi refers to, fungi

- 1. Whose mitosis stages are unknown
- 2. Whose meiotic stages are not known
- 3. Which show yeast to mould transformation at 37°C
- 4. Whose sporangium has a double wall

Options :

- 71087012649. 1

71087012650. 2

71087012651. 3

71087012652. 4

Question Number : 104 Question Id : 7108703164 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: Most members of the genus *Malassezia* are lipophilic in nature. While *Malassezia pachydermatis* can grow without lipid supplementation on SDA

Statement II: *Malassezia* species are urease negative yeasts which grow at 35°C to 37°C

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

1. Both Statement I and Statement II are true
2. Both Statement I and Statement II are false
3. Statement I is true but Statement II is false
4. Statement I is false but Statement II is true

Options :

71087012653. 1

71087012654. 2

71087012655. 3

71087012656. 4

Question Number : 105 Question Id : 7108703165 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Capsule demonstration with India Ink or nigrosin staining is a suitable method of diagnosis of

1. *Malassezia pachydermatis*
2. *Candida albicans*
3. *Cryptococcus neoformans*
4. *Saccharomyces cerevisiae*

Options :

71087012657. 1
71087012658. 2
71087012659. 3
71087012660. 4

Question Number : 106 Question Id : 7108703166 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

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

List I	List II
A. African farcy	I. <i>Nocardia</i> spp.
B. Equine farcy	II. <i>Burkholderia pseudomallei</i>
C. Bovine farcy	III. <i>Histoplasma capsulatum</i>
D. Pseudo farcy	IV. <i>Burkholderia mallei</i>

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

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

Options :

71087012661. 1
71087012662. 2
71087012663. 3

71087012664. 4

Question Number : 107 Question Id : 7108703167 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which Toll-like Receptors (TLRs) have nucleic acids as their natural ligands?

- A. TLR-3
- B. TLR-4
- C. TLR-6
- D. TLR-9

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

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

Options :

- 71087012665. 1
- 71087012666. 2
- 71087012667. 3
- 71087012668. 4

Question Number : 108 Question Id : 7108703168 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which among the following isotypes of immunoglobulins lack 'hinge regions', in their structure?

- A. IgG
- B. IgM
- C. IgE
- D. IgD

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

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

Options :

- 71087012669. 1
- 71087012670. 2
- 71087012671. 3
- 71087012672. 4

Question Number : 109 Question Id : 7108703169 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which mode of antibody diversity generation acts after antigen exposure?

- 1. Multiple VDJ gene segments rearrangement
- 2. P-nucleotide addition
- 3. Base deletion
- 4. Somatic mutation

Options :

71087012673. 1
71087012674. 2
71087012675. 3
71087012676. 4

**Question Number : 110 Question Id : 7108703170 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1**

Arrange the following steps of Sandwich ELISA in sequence

- A. Antigen binding
- B. Secondary Antibody binding
- C. Primary Antibody binding
- D. Substrate with chromogen

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

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

Options :

71087012677. 1
71087012678. 2
71087012679. 3
71087012680. 4

**Question Number : 111 Question Id : 7108703171 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1**

Arrange the following tests in the correct order of decreasing sensitivity

- A. Chemi-luminescence assay
- B. ELISA
- C. Radio-immuno assay
- D. Precipitation tests
- E. Haemagglutination inhibition test

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

- 1. A, B, C, D, E
- 2. B, C, A, E, D
- 3. C, A, B, D, E
- 4. C, A, B, E, D

Options :

- 71087012681. 1
- 71087012682. 2
- 71087012683. 3
- 71087012684. 4

Question Number : 112 Question Id : 7108703172 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following complement peptides has the highest serum concentration in cattle?

- 1. C2
- 2. C3
- 3. C5
- 4. C1

Options :

- 71087012685. 1
- 71087012686. 2
- 71087012687. 3
- 71087012688. 4

Question Number : 113 Question Id : 7108703173 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Professional antigen-presenting cells (APC) like macrophages possess which one of the following molecules on their surface?

- 1. MHC - I only
- 2. MHC - II only
- 3. MHC - I and MHC - II
- 4. Neither MHC - I nor MHC - II

Options :

- 71087012689. 1
- 71087012690. 2
- 71087012691. 3
- 71087012692. 4

Question Number : 114 Question Id : 7108703174 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following is a Type-III hypersensitivity reaction?

- 1. Cutaneous basophil hypersensitivity
- 2. Finnish-Landrace Glomerulopathy
- 3. Haemolytic disease of foals
- 4. Allergic contact Dermatitis

Options :

71087012693. 1
71087012694. 2
71087012695. 3
71087012696. 4

Question Number : 115 Question Id : 7108703175 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which of the following phenomena are NOT found in the extrinsic apoptotic pathway?

- A. Binding of FasL and Fas
- B. Release of cytochrome C
- C. Caspase - 8 activation
- D. Caspase - 9 activation

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

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

Options :

71087012697. 1
71087012698. 2
71087012699. 3
71087012700. 4

Question Number : 116 Question Id : 7108703176 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which among the following molecules provide inhibitory signals to T-cell activation?

A. CD80/86

B. CD154

C. CD28

D. CD152

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

1. B and C only

2. A and B only

3. B and D only

4. A and D only

Options :

71087012701. 1

71087012702. 2

71087012703. 3

71087012704. 4

Question Number : 117 Question Id : 7108703177 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is

Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: In an ideal PCR reaction, a single template DNA molecule generates approximately 10^{12} amplicons

Statement II: Generally, around 20 thermal cycles work as an effective limit for a PCR reaction

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

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

Options :

- 71087012705. 1
- 71087012706. 2
- 71087012707. 3
- 71087012708. 4

Question Number : 118 Question Id : 7108703178 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Bacillus anthracis is lysed by

1. Lambda phage
2. M13 phage
3. T4 phage
4. Gamma phage

Options :

- 71087012709. 1
- 71087012710. 2

71087012711. 3

71087012712. 4

Question Number : 119 Question Id : 7108703179 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Taq DNA polymerase has all the following properties, except

1. It is stable at 94°C of temperature
2. It is obtained from thermophilic bacteria
3. It does proofreading activity
4. It adds nucleotides in 5' → 3' direction

Options :

71087012713. 1

71087012714. 2

71087012715. 3

71087012716. 4

Question Number : 120 Question Id : 7108703180 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Loop-Mediated Isothermal Amplification (LAMP) assay uses which one of the following enzymes in the reaction mix?

1. Bst polymerase
2. Taq DNA polymerase
3. Reverse transcriptase
4. RNA polymerase

Options :

71087012717. 1

71087012718. 2

71087012719. 3

71087012720.4