

## National Testing Agency

**Question Paper Name:** VETERINARY AND ANIMAL SCIENCES I 1st July 2019 Shift2 Set 2  
**Subject Name:** VETERINARY AND ANIMAL SCIENCES I  
**Creation Date:** 2019-07-01 18:50:28  
**Duration:** 180  
**Total Marks:** 800  
**Display Marks:** Yes  
**Share Answer Key With Delivery Engine:** Yes  
**Actual Answer Key:** Yes

### VETERINARY AND ANIMAL SCIENCES I

**Group Number :** 1  
**Group Id :** 55317236  
**Group Maximum Duration :** 0  
**Group Minimum Duration :** 180  
**Revisit allowed for view? :** No  
**Revisit allowed for edit? :** No  
**Break time:** 0  
**Group Marks:** 800

### Part A : General Knowledge

**Section Id :** 55317257  
**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:** 55317279  
**Question Shuffling Allowed :** Yes

**Question Number : 1 Question Id : 5531726315 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 :**

55317225201. 1  
55317225202. 2  
55317225203. 3  
55317225204. 4

Question Number : 2 Question Id : 5531726316 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 :

55317225205. 1  
55317225206. 2  
55317225207. 3  
55317225208. 4

Question Number : 3 Question Id : 5531726317 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 :

55317225209. 1  
55317225210. 2  
55317225211. 3  
55317225212. 4

Question Number : 4 Question Id : 5531726318 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 :

55317225213. 1  
55317225214. 2  
55317225215. 3  
55317225216. 4



Question Number : 5 Question Id : 5531726319 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 :

55317225217. 1

55317225218. 2

55317225219. 3

55317225220. 4

Question Number : 6 Question Id : 5531726320 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 :

55317225221. 1

55317225222. 2

55317225223. 3

55317225224. 4

Question Number : 7 Question Id : 5531726321 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 :

55317225225. 1

55317225226. 2

55317225227. 3

55317225228. 4

Question Number : 8 Question Id : 5531726322 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 :**

- 55317225229. 1
- 55317225230. 2
- 55317225231. 3
- 55317225232. 4

Question Number : 9 Question Id : 5531726323 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 :**

- 55317225233. 1
- 55317225234. 2
- 55317225235. 3
- 55317225236. 4

Question Number : 10 Question Id : 5531726324 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 :**

- 55317225237. 1
- 55317225238. 2
- 55317225239. 3
- 55317225240. 4

Question Number : 11 Question Id : 5531726325 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 :**

- 55317225241. 1
- 55317225242. 2
- 55317225243. 3
- 55317225244. 4

Question Number : 12 Question Id : 5531726326 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 :**

- 55317225245. 1
- 55317225246. 2
- 55317225247. 3
- 55317225248. 4

Question Number : 13 Question Id : 5531726327 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 :**

- 55317225249. 1
- 55317225250. 2
- 55317225251. 3
- 55317225252. 4

Question Number : 14 Question Id : 5531726328 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 :

- 55317225253. 1
- 55317225254. 2
- 55317225255. 3
- 55317225256. 4

Question Number : 15 Question Id : 5531726329 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 :

- 55317225257. 1
- 55317225258. 2
- 55317225259. 3
- 55317225260. 4

Question Number : 16 Question Id : 5531726330 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 :

- 55317225261. 1
- 55317225262. 2
- 55317225263. 3
- 55317225264. 4

Question Number : 17 Question Id : 5531726331 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 :**

- 55317225265. 1
- 55317225266. 2
- 55317225267. 3
- 55317225268. 4

**Question Number : 18 Question Id : 5531726332 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 :**

- 55317225269. 1
- 55317225270. 2
- 55317225271. 3
- 55317225272. 4

**Question Number : 19 Question Id : 5531726333 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 :**

- 55317225273. 1
- 55317225274. 2
- 55317225275. 3
- 55317225276. 4

**Question Number : 20 Question Id : 5531726334 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 :**

- 55317225277. 1
- 55317225278. 2
- 55317225279. 3
- 55317225280. 4

**Part B : VETERINARY AND ANIMAL SCIENCES I**

<b>Section Id :</b>	55317258
<b>Section Number :</b>	2
<b>Section type :</b>	Online
<b>Mandatory or Optional:</b>	Mandatory
<b>Number of Questions:</b>	180
<b>Number of Questions to be attempted:</b>	180
<b>Section Marks:</b>	720
<b>Display Number Panel:</b>	Yes
<b>Group All Questions:</b>	No

<b>Sub-Section Number:</b>	1
<b>Sub-Section Id:</b>	55317280
<b>Question Shuffling Allowed :</b>	Yes

**Question Number : 21 Question Id : 5531726335 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 dominant autosomal gene B for premature baldness in man is sex-limited. In a cross  $B^+B \times B^+B$ , what proportion of male progeny is expected to be bald prematurely?

- 1) 1/4
- 2) 1/2
- 3) 3/4
- 4) All

**Options :**

- 55317225281. 1
- 55317225282. 2
- 55317225283. 3
- 55317225284. 4

**Question Number : 22 Question Id : 5531726336 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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



If a virus particle contains double stranded DNA with 200 base pairs, how many nucleotides would be present?

- (1) 100
- (2) 200
- (3) 300
- (4) 400

**Options :**

- 55317225285. 1
- 55317225286. 2
- 55317225287. 3
- 55317225288. 4

**Question Number : 23 Question Id : 5531726337 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 case of multiple alleles at a locus, if these are 4 alleles, how many genotypes are possible?

- (1) 6
- (2) 10
- (3) 15
- (4) 4

**Options :**

- 55317225289. 1
- 55317225290. 2
- 55317225291. 3
- 55317225292. 4

**Question Number : 24 Question Id : 5531726338 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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

How many kinds of F2 genotypes will be heterozygous (assuming independent assortment) if mating is done among F1 heterozygotes for 4 gene pairs?

- (1) 19
- (2) 56
- (3) 65
- (4) 81

**Options :**

- 55317225293. 1
- 55317225294. 2
- 55317225295. 3
- 55317225296. 4

**Question Number : 25 Question Id : 5531726339 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 term was not coined by Johanson?

- (1) Gene
- (2) Genotype
- (3) Phenotype
- (4) Prototype

Options :

- 55317225297. 1
- 55317225298. 2
- 55317225299. 3
- 55317225300. 4

Question Number : 26 Question Id : 5531726340 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 used in recombinant technology?

- (1) Plasmid
- (2) Plastid
- (3) Ribosome
- (4) Mutation

Options :

- 55317225301. 1
- 55317225302. 2
- 55317225303. 3
- 55317225304. 4

Question Number : 27 Question Id : 5531726341 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 effectiveness of gene exchange under migration depends on:

- (1) Gene frequency of the migrant population.
- (2) Gene frequency of the native population.
- (3) Difference between the gene frequencies of the migrant and native population
- (4) Addition of the gene frequencies of the migrant and native populations

Options :

- 55317225305. 1
- 55317225306. 2
- 55317225307. 3
- 55317225308. 4

Question Number : 28 Question Id : 5531726342 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1



Range of correlation coefficient is:

- (1) +1 or -1
- (2) 0 to 1
- (3) 0 to  $\alpha$
- (4) +  $\alpha$  to -  $\alpha$

Options :

- 55317225309. 1
- 55317225310. 2
- 55317225311. 3
- 55317225312. 4

Question Number : 29 Question Id : 5531726343 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Pick the correct formula for association between phenotypic, genetic and environmental correlation:

- (1)  $r_P + h_x h_y r_A + e_x e_y r_E$
- (2)  $r_P - h_x h_y r_A - e_x e_y r_E$
- (3)  $r_P + h_x h_y r_A - e_x e_y r_E$
- (4)  $r_P - h_x h_y r_A + e_x e_y r_E$

Options :

- 55317225313. 1
- 55317225314. 2
- 55317225315. 3
- 55317225316. 4

Question Number : 30 Question Id : 5531726344 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 mode of reflection is generally used to improve the population?

- (1) Stabilizing selection
- (2) Directional selection
- (3) Disruptive selection
- (4) Tendem selection

Options :

- 55317225317. 1
- 55317225318. 2
- 55317225319. 3
- 55317225320. 4

Question Number : 31 Question Id : 5531726345 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Genes contribute much more variance when they are not at:

- (1) Intermediate frequencies
- (2) High frequencies
- (3) Low frequencies
- (4) Rare frequencies

Options :

55317225321. 1  
55317225322. 2  
55317225323. 3  
55317225324. 4

Question Number : 32 Question Id : 5531726346 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 statement is false about the additive variance?

- (1) It is main cause of resemblance between relatives
- (2) It is main determinant of the observable genetic properties of population.
- (3) It is the main determinant of response to selection
- (4) It can not be exactly estimated from observations made on the population

Options :

55317225325. 1  
55317225326. 2  
55317225327. 3  
55317225328. 4

Question Number : 33 Question Id : 5531726347 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Path coefficient analysis is based on

- (1) Correlation between cause and effect
- (2) Regression of cause on effect
- (3) Square root of correlation between cause and effect
- (4) Square root if regression of cause on effect

Options :

55317225329. 1  
55317225330. 2  
55317225331. 3  
55317225332. 4

Question Number : 34 Question Id : 5531726348 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 correct for quantitative trait expression?

- (1) Genes have small effect each
- (2) Genes have large effect each
- (3) Expression of genotype is modified by non-genetic causes
- (4) Many genes are involved

Options :

55317225333. 1  
55317225334. 2  
55317225335. 3  
55317225336. 4

Question Number : 35 Question Id : 5531726349 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Covariance due to resemblance between half-sibs is:

- (1)  $\frac{1}{2} V_A$
- (2)  $\frac{1}{2} V_A + \frac{1}{4} V_D$
- (3)  $\frac{1}{4} V_A$
- (4)  $\frac{1}{4} V_A + \frac{1}{8} V_D$

Options :

55317225337. 1  
55317225338. 2  
55317225339. 3  
55317225340. 4

Question Number : 36 Question Id : 5531726350 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Genetic covariance of dizygotic twins is equal to:

- (1) Genetic covariance of full-sibs
- (2) Genetic covariance of half-sibs
- (3) Genetic covariance of parent-offspring
- (4) Genetic covariance of identical twins

Options :

55317225341. 1  
55317225342. 2  
55317225343. 3  
55317225344. 4

Question Number : 37 Question Id : 5531726351 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Recurrent selection is used to improve:

- (1) General combining ability
- (2) Specific combining ability
- (3) Both general and specific combining ability
- (4) Reciprocal effect

**Options :**

- 55317225345. 1
- 55317225346. 2
- 55317225347. 3
- 55317225348. 4

**Question Number : 38 Question Id : 5531726352 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 defines the characteristics of a population?

- (1) Gene frequencies
- (2) Genotype frequencies
- (3) Phenotype frequencies
- (4) Gene and genotype frequencies both

**Options :**

- 55317225349. 1
- 55317225350. 2
- 55317225351. 3
- 55317225352. 4

**Question Number : 39 Question Id : 5531726353 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

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

Average litter size at weaning was 10 for parental population of pigs. What was the percentage heterosis?

- (1) 8
- (2) 9
- (3) 10
- (4) 11

**Options :**

- 55317225353. 1
- 55317225354. 2
- 55317225355. 3
- 55317225356. 4

**Question Number : 40 Question Id : 5531726354 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 selection index approach is suitable for improving some traits while holding the response to other traits?

- (1) Smith Hazel Index
- (2) Restricted selection Index
- (3) Weight free index
- (4) Family index

**Options :**

- 55317225357. 1
- 55317225358. 2
- 55317225359. 3



55317225360. 4

Question Number : 41 Question Id : 5531726355 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 breeding systems does not utilize the non-additive genetic variance?

- (1) Cross breeding
- (2) Inbreeding and hybridization
- (3) Reciprocal recurrent selection
- (4) Progeny testing

Options :

55317225361. 1

55317225362. 2

55317225363. 3

55317225364. 4

Question Number : 42 Question Id : 5531726356 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Inbreeding in a population of 10 males and females will be equal to that of a population with:

- (1) 5 males 500 females
- (2) 5 males 5 females
- (3) 500 males 500 females
- (4) 20 males 20 females

Options :

55317225365. 1

55317225366. 2

55317225367. 3

55317225368. 4

Question Number : 43 Question Id : 5531726357 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 breeding strategies you will recommended for evolving a new breed of sheep for superior carpet wool in India:

- (1) Progeny testing with MOET
- (2) Inbreeding and hybridization
- (3) Cross breeding
- (4) Open nucleus Breeding system

Options :

55317225369. 1

55317225370. 2

55317225371. 3

55317225372. 4

Question Number : 44 Question Id : 5531726358 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Andi is a cloned:

- (1) Sheep
- (2) Pig
- (3) Monkey
- (4) Cat

Options :

- 55317225373. 1
- 55317225374. 2
- 55317225375. 3
- 55317225376. 4

Question Number : 45 Question Id : 5531726359 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Finger printing was first used in:

- (1) England
- (2) USA
- (3) India
- (4) Germany

Options :

- 55317225377. 1
- 55317225378. 2
- 55317225379. 3
- 55317225380. 4

Question Number : 46 Question Id : 5531726360 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 test of significance is used in case of qualitative data

- (1) t
- (2) Z
- (3) F
- (4)  $\chi^2$  (Chi square)

Options :

- 55317225381. 1
- 55317225382. 2
- 55317225383. 3
- 55317225384. 4

Question Number : 47 Question Id : 5531726361 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 swine,  $h^2$  of backfat is approximately:

- (1) 0.3 to 0.5
- (2) 0.15 to 0.25
- (3) 0.6 to 0.7
- (4) 0.7 to 0.8



**Options :**

- 55317225385. 1
- 55317225386. 2
- 55317225387. 3
- 55317225388. 4

**Question Number : 48 Question Id : 5531726362 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

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

How many pairs of nipples does the laboratory mouse have?

- (1) 4
- (2) 5
- (3) 6
- (4) 7

**Options :**

- 55317225389. 1
- 55317225390. 2
- 55317225391. 3
- 55317225392. 4

**Question Number : 49 Question Id : 5531726363 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 the term used for DNA formed from RNA?

- (1) A-DNA
- (2) B-DNA
- (3) C-DNA
- (4) Z-DNA

**Options :**

- 55317225393. 1
- 55317225394. 2
- 55317225395. 3
- 55317225396. 4

**Question Number : 50 Question Id : 5531726364 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 costliest genetic strategies?

- (1) Inbreeding and hybridization
- (2) Nucleus Breeding Scheme
- (3) Multiple Ovulation Embryo Transfer
- (4) Cloning

**Options :**

- 55317225397. 1
- 55317225398. 2
- 55317225399. 3
- 55317225400. 4

Question Number : 51 Question Id : 5531726365 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 metal associated with haemoglobin is \_\_\_\_\_:

- (1) Sodium
- (2) Potassium
- (3) Calcium
- (4) Iron

Options :

- 55317225401. 1
- 55317225402. 2
- 55317225403. 3
- 55317225404. 4

Question Number : 52 Question Id : 5531726366 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Methane is produced in the rumen by

- (1) Bacteria
- (2) All fungi
- (3) Protozoa
- (4) Methanogenic bacteria

Options :

- 55317225405. 1
- 55317225406. 2
- 55317225407. 3
- 55317225408. 4

Question Number : 53 Question Id : 5531726367 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 acidic nature of a good quality silage is due to

- (1) Lactic acid
- (2) Acetic acid
- (3) Butyric acid
- (4) Propionic acid

Options :

- 55317225409. 1
- 55317225410. 2
- 55317225411. 3
- 55317225412. 4

Question Number : 54 Question Id : 5531726368 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1



Proximate analysis is usually carried out for assessment of quality of

- (1) Feed
- (2) Blood
- (3) Urine
- (4) Water

Options :

- 55317225413. 1
- 55317225414. 2
- 55317225415. 3
- 55317225416. 4

Question Number : 55 Question Id : 5531726369 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 difference between neutral detergent fibre (NDF) and acid detergent fibre(ADF) is mainly due to \_\_\_\_\_

- (1) Cellulose
- (2) Hemicellulose
- (3) Starch
- (4) Pectin's

Options :

- 55317225417. 1
- 55317225418. 2
- 55317225419. 3
- 55317225420. 4

Question Number : 56 Question Id : 5531726370 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

High blood and urine ketone levels indicate\_\_\_\_\_.

- (1) Bloat
- (2) Ketosis
- (3) Milk fever
- (4) Viral infection

Options :

- 55317225421. 1
- 55317225422. 2
- 55317225423. 3
- 55317225424. 4

Question Number : 57 Question Id : 5531726371 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Digestibility coefficients of various nutrients in feeds are estimated more precisely by

- (1) Digestibility trial
- (2) Nylon bag
- (3) Gas production
- (4) Rumen stimulation

Options :

- 55317225425. 1
- 55317225426. 2
- 55317225427. 3
- 55317225428. 4

Question Number : 58 Question Id : 5531726372 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 reactions in TCA cycle are reversible except the formation  
of \_\_\_\_\_

- (1) Succinyl CoA
- (2) Succinate
- (3)  $\alpha$ - ketoglutarate
- (4) Fumarate

Options :

- 55317225429. 1
- 55317225430. 2
- 55317225431. 3
- 55317225432. 4

Question Number : 59 Question Id : 5531726373 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Coagulation time of blood is increased due to deficiency of

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

Options :

- 55317225433. 1
- 55317225434. 2
- 55317225435. 3
- 55317225436. 4

Question Number : 60 Question Id : 5531726374 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 difference between starter feed, grower feed and layer feed for feeding of chicks, pullets and laying hens is

- (1) Energy level
- (2) Protein level
- (3) Mineral content
- (4) Vitamin content

**Options :**

- 55317225437. 1
- 55317225438. 2
- 55317225439. 3
- 55317225440. 4

**Question Number : 61 Question Id : 5531726375 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 proportion of ammonia nitrogen in a good quality silage is

- (1) Less than 10 percent of total nitrogen
- (2) 10-15 percent of total nitrogen
- (3) 16-30 percent of total nitrogen
- (4) More than 30 percent of total nitrogen

**Options :**

- 55317225441. 1
- 55317225442. 2
- 55317225443. 3
- 55317225444. 4

**Question Number : 62 Question Id : 5531726376 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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

De-oiled (solvent extracted) brans contain

- (1) 0.0 percent lipids
- (2) 0-0.5 percent lipids
- (3) 0.5-1.0 percent lipids
- (4) More than 1.0 percent lipids

**Options :**

- 55317225445. 1
- 55317225446. 2
- 55317225447. 3
- 55317225448. 4

**Question Number : 63 Question Id : 5531726377 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 amino acid is precursor of lignin?

- (1) Alanine
- (2) Phenyl alanine
- (3) Tyrosine
- (4) Glycine

**Options :**

- 55317225449. 1
- 55317225450. 2
- 55317225451. 3
- 55317225452. 4

**Question Number : 64 Question Id : 5531726378 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical  
Correct Marks : 4 Wrong Marks : 1**

Curled toe paralysis in chicks is due to deficiency  
of \_\_\_\_\_.

- (1) Vitamin D3
- (2) Riboflavin
- (3) Thiamin
- (4) Pantothenic acid

**Options :**

- 55317225453. 1
- 55317225454. 2
- 55317225455. 3
- 55317225456. 4

**Question Number : 65 Question Id : 5531726379 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical  
Correct Marks : 4 Wrong Marks : 1**

Enzootic ataxia (sway-back) is a disease of lambs and calves  
due to deficiency of -----

- (1) Magnesium
- (2) Manganese
- (3) Copper
- (4) Molybdenum

**Options :**

- 55317225457. 1
- 55317225458. 2
- 55317225459. 3
- 55317225460. 4

**Question Number : 66 Question Id : 5531726380 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 a complete protein (i.e. with no limiting  
amino acids)?

- (1) Wheat protein
- (2) Maize protein
- (3) Egg protein
- (4) Rice protein

**Options :**

- 55317225461. 1
- 55317225462. 2



55317225463. 3

55317225464. 4

Question Number : 67 Question Id : 5531726381 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Deficiency of iodine causes enlargement of

- (1) Thyroid gland
- (2) Pineal gland
- (3) Prostate gland
- (4) Adrenal gland

Options :

55317225465. 1

55317225466. 2

55317225467. 3

55317225468. 4

Question Number : 68 Question Id : 5531726382 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Presence of oxalates in the diet interferes with the metabolism of

- (1) Chlorine
- (2) Fluorine
- (3) Calcium
- (4) Manganese

Options :

55317225469. 1

55317225470. 2

55317225471. 3

55317225472. 4

Question Number : 69 Question Id : 5531726383 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 followings is due to antiperistaltic movements?

- (1) Impede digest a flow
- (2) Enhance digesta flow
- (3) Have no effect on digesta flow
- (4) Balance/ regulate digesta flow

Options :

55317225473. 1

55317225474. 2

55317225475. 3

55317225476. 4

Question Number : 70 Question Id : 5531726384 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 limiting amino acid in the growing horse's ration is \_\_\_\_\_

- (1) Leucine
- (2) Arginine
- (3) Threonine
- (4) Lysine

Options :

- 55317225477. 1
- 55317225478. 2
- 55317225479. 3
- 55317225480. 4

Question Number : 71 Question Id : 5531726385 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 component of egg shell is:

- (1) Calcium phosphate
- (2) Calcium carbonate
- (3) Calcium chloride
- (4) Dicalcium phosphate

Options :

- 55317225481. 1
- 55317225482. 2
- 55317225483. 3
- 55317225484. 4

Question Number : 72 Question Id : 5531726386 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 recommended dry matter in a crop to be ensiled is \_\_\_\_\_

- (1) Less than the 30 percent
- (2) 30-35 percent
- (3) 36-40 percent
- (4) More than the 40 percent

Options :

- 55317225485. 1
- 55317225486. 2
- 55317225487. 3
- 55317225488. 4

Question Number : 73 Question Id : 5531726387 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 term TMR in feeding generally refers to

- (1) total maintenance ration
- (2) Total mixed ration
- (3) Total mandatory ration
- (4) Tabulated maintenance ration

**Options :**

- 55317225489. 1
- 55317225490. 2
- 55317225491. 3
- 55317225492. 4

**Question Number : 74 Question Id : 5531726388 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

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

Ricin is a deleterious factor in

- (1) De-oiled rice bran
- (2) Cotton seed cake
- (3) Castor seed meal
- (4) Wheat bran

**Options :**

- 55317225493. 1
- 55317225494. 2
- 55317225495. 3
- 55317225496. 4

**Question Number : 75 Question Id : 5531726389 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

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

Nitrogen free extract (NEF) of feeds is determined by

- (1) Dissolution in water
- (2) Solvent extraction
- (3) Calculations
- (4) Burning

**Options :**

- 55317225497. 1
- 55317225498. 2
- 55317225499. 3
- 55317225500. 4

**Question Number : 76 Question Id : 5531726390 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 promising initial symptom of vitamin A deficiency in cows and horses is

- (1) Copious lacrymation
- (2) Copious salivation
- (3) Frequent urination
- (4) Frequent defecation

**Options :**

- 55317225501. 1
- 55317225502. 2
- 55317225503. 3
- 55317225504. 4

**Question Number : 77 Question Id : 5531726391 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 deficiency of zinc in swine causes

- (1) Xerophthalmia
- (2) Ketosis
- (3) Parakeratosis
- (4) Osteomalacia

**Options :**

- 55317225505. 1
- 55317225506. 2
- 55317225507. 3
- 55317225508. 4

**Question Number : 78 Question Id : 5531726392 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

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

End product of nitrogen metabolism in bird is

- (1) Urea
- (2) Ammonia
- (3) Amino acids
- (4) Uric acid

**Options :**

- 55317225509. 1
- 55317225510. 2
- 55317225511. 3
- 55317225512. 4

**Question Number : 79 Question Id : 5531726393 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 acidosis, Ph of the rumen liquor is

- (1) More than 8
- (2) 7-8
- (3) 6-7
- (4) Less than 6

**Options :**

- 55317225513. 1
- 55317225514. 2
- 55317225515. 3
- 55317225516. 4



Question Number : 80 Question Id : 5531726394 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 most important factor in inhibiting the digestibility of paddy straw?

- (1) Cellulose
- (2) Hemicellulose
- (3) Silica
- (4) Oxalates

Options :

55317225517. 1

55317225518. 2

55317225519. 3

55317225520. 4

Question Number : 81 Question Id : 5531726395 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

At the livestock farm what should be done round the clock?

- (1) Feeding
- (2) Security
- (3) Milking
- (4) Vaccination

Options :

55317225521. 1

55317225522. 2

55317225523. 3

55317225524. 4

Question Number : 82 Question Id : 5531726396 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 Husbandry is most developed in:

- (1) Snowy regions
- (2) Coastal regions
- (3) Temperate regions
- (4) Semi-arid regions

Options :

55317225525. 1

55317225526. 2

55317225527. 3

55317225528. 4

Question Number : 83 Question Id : 5531726397 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

India ranks first in total population of its:

- (1) Pigs
- (2) Buffaloes
- (3) Horse
- (4) Camels

Options :

- 55317225529. 1
- 55317225530. 2
- 55317225531. 3
- 55317225532. 4

Question Number : 84 Question Id : 5531726398 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

False nostrils are present in:

- (1) Stallion
- (2) Sow
- (3) Nanny
- (4) Bitch

Options :

- 55317225533. 1
- 55317225534. 2
- 55317225535. 3
- 55317225536. 4

Question Number : 85 Question Id : 5531726399 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Who have similar chromosome number?

- (1) Cattle and goat
- (2) Sheep and goat
- (3) Cattle and pig
- (4) Donkey and mare

Options :

- 55317225537. 1
- 55317225538. 2
- 55317225539. 3
- 55317225540. 4

Question Number : 86 Question Id : 5531726400 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

'Uttara' is a breed of Indian:

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

Options :



- 55317225541. 1
- 55317225542. 2
- 55317225543. 3
- 55317225544. 4

**Question Number : 87 Question Id : 5531726401 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 calves, colostrum provides immunity for:

- (1) 6 weeks
- (2) 12 weeks
- (3) 18 weeks
- (4) 24 weeks

**Options :**

- 55317225545. 1
- 55317225546. 2
- 55317225547. 3
- 55317225548. 4

**Question Number : 88 Question Id : 5531726402 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**  
**Single Line Question Option : No Option Orientation : Vertical**

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

Without feeding/watering, the newly hatched chick can survive for:

- (1) 4 hours
- (2) 14 hours
- (3) 24 hours
- (4) 44 hours

**Options :**

- 55317225549. 1
- 55317225550. 2
- 55317225551. 3
- 55317225552. 4

**Question Number : 89 Question Id : 5531726403 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**  
**Single Line Question Option : No Option Orientation : Vertical**

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

Who can consume more dry matter per kilogram of her body weight?

- (1) Mare
- (2) Sow
- (3) Ewe
- (4) Nanny

**Options :**

- 55317225553. 1
- 55317225554. 2
- 55317225555. 3
- 55317225556. 4

Question Number : 90 Question Id : 5531726404 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical  
Correct Marks : 4 Wrong Marks : 1

Usually conception rate is higher if served during:

- (1) Foal heat in mares
- (2) Involuntary phase in cows
- (3) Soon after parturition in buffaloes
- (4) Pseudopregnancy in bitch

Options :

- 55317225557. 1
- 55317225558. 2
- 55317225559. 3
- 55317225560. 4

Question Number : 91 Question Id : 5531726405 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical  
Correct Marks : 4 Wrong Marks : 1

Birth weight of new born is largest in:

- (1) Elephant
- (2) Sheep
- (3) Cattle
- (4) Dog

Options :

- 55317225561. 1
- 55317225562. 2
- 55317225563. 3
- 55317225564. 4

Question Number : 92 Question Id : 5531726406 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 enclosed piece of land, adjacent to shed, for the comfort of animals is called as:

- (1) Shed pasture
- (2) Pasture
- (3) Paddock
- (4) Range

Options :

- 55317225565. 1
- 55317225566. 2
- 55317225567. 3
- 55317225568. 4

Question Number : 93 Question Id : 5531726407 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 device which checks flow of foul gases towards inlet is:

- (1) DPC
- (2) Dado
- (3) Trap
- (4) Drain

Options :

- 55317225569. 1
- 55317225570. 2
- 55317225571. 3
- 55317225572. 4

Question Number : 94 Question Id : 5531726408 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

After FMD vaccination in bulls, their:

- (1) Semen quality will be deteriorated
- (2) Libido will improve
- (3) Semen quality will be improved
- (4) Semen quality will remain unaffected

Options :

- 55317225573. 1
- 55317225574. 2
- 55317225575. 3
- 55317225576. 4

Question Number : 95 Question Id : 5531726409 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 disease cannot be prevented by vaccination?

- (1) H.S.
- (2) B.Q
- (3) F.M.D
- (4) Milk fever

Options :

- 55317225577. 1
- 55317225578. 2
- 55317225579. 3
- 55317225580. 4

Question Number : 96 Question Id : 5531726410 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Generally, who is harder to milk by hand milking?

- (1) Sahiwal cow
- (2) Jaffarabadi buffalo
- (3) Frieswal cow
- (4) Jamunapari goat

Options :

- 55317225581. 1
- 55317225582. 2
- 55317225583. 3
- 55317225584. 4

Question Number : 97 Question Id : 5531726411 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Who is generally shod to work on tar roads?

- (1) Bull
- (2) Bullock
- (3) Stallion
- (4) Camel

Options :

- 55317225585. 1
- 55317225586. 2
- 55317225587. 3
- 55317225588. 4

Question Number : 98 Question Id : 5531726412 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Dry cow therapy helps in prevention of:

- (1) Metritis
- (2) Abortion
- (3) Retained placenta
- (4) Mastitis

Options :

- 55317225589. 1
- 55317225590. 2
- 55317225591. 3
- 55317225592. 4

Question Number : 99 Question Id : 5531726413 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 of choice in north-eastern India is:

- (1) Cow
- (2) Pig
- (3) Camel
- (4) Horse

Options :

- 55317225593. 1
- 55317225594. 2
- 55317225595. 3
- 55317225596. 4

Question Number : 100 Question Id : 5531726414 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1



Whose last born and weak young one of same litter is known as runt?

- (1) Mare
- (2) Ewe
- (3) Rabbit
- (4) Sow

**Options :**

- 55317225597. 1
- 55317225598. 2
- 55317225599. 3
- 55317225600. 4

**Question Number : 101 Question Id : 5531726415 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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

Who is the largest terrestrial domestic animal?

- (1) Rhinoceros
- (2) Elephant
- (3) Bison
- (4) Gharial

**Options :**

- 55317225601. 1
- 55317225602. 2
- 55317225603. 3
- 55317225604. 4

**Question Number : 102 Question Id : 5531726416 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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

Who are most agile and unpredictable in their behavior?

- (1) Equines
- (2) Caprines
- (3) Ovines
- (4) Bovines

**Options :**

- 55317225605. 1
- 55317225606. 2
- 55317225607. 3
- 55317225608. 4

**Question Number : 103 Question Id : 5531726417 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 common vice of stallion is :

- (1) Biting
- (2) Kicking
- (3) Wind sucking
- (4) Rearing

Options :

- 55317225609. 1
- 55317225610. 2
- 55317225611. 3
- 55317225612. 4

Question Number : 104 Question Id : 5531726418 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 poultry house one nest hole is sufficient for:

- (1) 4 layers
- (2) 8 layers
- (3) 12 layers
- (4) 16 layers

Options :

- 55317225613. 1
- 55317225614. 2
- 55317225615. 3
- 55317225616. 4

Question Number : 105 Question Id : 5531726419 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Wildlife Institute of India (WII) is located in:

- (1) Amritsar
- (2) Agra
- (3) Delhi
- (4) Dehradun

Options :

- 55317225617. 1
- 55317225618. 2
- 55317225619. 3
- 55317225620. 4

Question Number : 106 Question Id : 5531726420 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Leguminous fodder for longer duration is:

- (1) Berseem
- (2) Lucerne
- (3) Oats
- (4) Bajra

Options :



- 55317225621. 1
- 55317225622. 2
- 55317225623. 3
- 55317225624. 4

**Question Number : 107 Question Id : 5531726421 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 followings could be used as better fodder round the year for cows and buffaloes?

- (1) Babool
- (2) Morninga (sahjan)
- (3) Ber
- (4) Mango

**Options :**

- 55317225625. 1
- 55317225626. 2
- 55317225627. 3
- 55317225628. 4

**Question Number : 108 Question Id : 5531726422 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**  
**Single Line Question Option : No Option Orientation : Vertical**

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

Presently India is producing about 66 eggs/person/year against ICMR recommendation of \_\_\_\_\_:

- (1) 106 eggs/person/year
- (2) 146 eggs/person/year
- (3) 180 eggs/person/year
- (4) 196 eggs/person/year

**Options :**

- 55317225629. 1
- 55317225630. 2
- 55317225631. 3
- 55317225632. 4

**Question Number : 109 Question Id : 5531726423 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**  
**Single Line Question Option : No Option Orientation : Vertical**

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

Who is the risk bearer in the farm business?

- (1) Farm Employees
- (2) Farm Entrepreneur
- (3) Farm Manager
- (4) Farm Accountant

**Options :**

- 55317225633. 1
- 55317225634. 2
- 55317225635. 3
- 55317225636. 4

Question Number : 110 Question Id : 5531726424 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

With reference to co-operative milk marketing system, the term "marketable surplus" at village level indicates "the amount of milk that\_\_\_\_\_".

- (1) Could be procured
- (2) Was produced
- (3) Was consumed at home
- (4) Was converted into products

Options :

55317225637. 1

55317225638. 2

55317225639. 3

55317225640. 4

Question Number : 111 Question Id : 5531726425 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

12D heat treatment concept is recommended for canning industry, for

- (1) Cl.botulinum spores in high acids foods
- (2) B. Subtilis spores in low acid foods
- (3) Cl. Botulinum spores in low- acid foods
- (4) B. Subtilis spores in high acid foods

Options :

55317225641. 1

55317225642. 2

55317225643. 3

55317225644. 4

Question Number : 112 Question Id : 5531726426 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Surface sliming on meat stored at chilling temperature under aerobic conditions is generally caused by

- (1) Pseudomonas sps
- (2) Clostridium sps
- (3) Penicillium sps
- (4) Lactobacillus

Options :

55317225645. 1

55317225646. 2

55317225647. 3

55317225648. 4

Question Number : 113 Question Id : 5531726427 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 microorganisms when added to food, multiply and pass through a succession of phases. The correct sequence of important phases in the "Growth Curve" is

- (1) Lag Phase- Stationary Phase-Exponential Phase-Death Phase
- (2) Lag Phase-Exponential Phase- Stationary Phase-Death Phase
- (3) Stationary Phase-Exponential Phase-Death Phase-Lag Phase
- (4) Lag Phase- Death Phase- Exponential Phase-Stationary Phase

**Options :**

- 55317225649. 1
- 55317225650. 2
- 55317225651. 3
- 55317225652. 4

**Question Number : 114 Question Id : 5531726428 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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

'Sarcomere Length' in the muscle fibre is the distance between two

- (1) 'M' lines
- (2) 'Z' lines
- (3) 'H' Zones
- (4) 'A' Bands

**Options :**

- 55317225653. 1
- 55317225654. 2
- 55317225655. 3
- 55317225656. 4

**Question Number : 115 Question Id : 5531726429 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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

pH of meat decreases during 'conversion of muscle to meat' mainly due to breakdown of

- (1) Lactose to lactic acid
- (2) Glycogen to Acetic acid
- (3) Glycogen to lactic acid
- (4) Myofibrillar proteins to lactic acid

**Options :**

- 55317225657. 1
- 55317225658. 2
- 55317225659. 3
- 55317225660. 4

**Question Number : 116 Question Id : 5531726430 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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

'Loin Eye Area' is measured to determine

- (1) Growth of muscular tissue
- (2) Age of animal
- (3) Fat deposition in the carcass
- (4) Tenderness of meat

Options :

- 55317225661. 1
- 55317225662. 2
- 55317225663. 3
- 55317225664. 4

Question Number : 117 Question Id : 5531726431 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 correct sequence of events during dressing of poultry birds (after bleeding) is

- (1) Singing- Scalding- Evisceration
- (2) Scalding -Evisceration- Singing
- (3) Evisceration -Scalding – Singing
- (4) Scalding – Singing – Evisceration

Options :

- 55317225665. 1
- 55317225666. 2
- 55317225667. 3
- 55317225668. 4

Question Number : 118 Question Id : 5531726432 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Skeletal maturity during grading of lamb is generally judged from

- (1) Spool Joint
- (2) Hock Joint
- (3) Hip Joint
- (4) Break Joint

Options :

- 55317225669. 1
- 55317225670. 2
- 55317225671. 3
- 55317225672. 4

Question Number : 119 Question Id : 5531726433 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 sequence for the priorities for deposition of fat in the body of meat animal is

- (1) Intramuscular -Subcutaneous-Intermuscular
- (2) Subcutaneous-Intramuscular- Intermuscular
- (3) Intermuscular-Subcutaneous-Intramuscular
- (4) Intramuscular-intermuscular-Subcutaneous

Options :

- 55317225673. 1
- 55317225674. 2
- 55317225675. 3
- 55317225676. 4

Question Number : 120 Question Id : 5531726434 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Biochemical Oxygen Demand(BOD) is the amount of oxygen required by the microorganisms to assimilate available nutrient in \_\_\_\_\_.

- (1) 5 days at 20°C
- (2) 3 days at 15°C
- (3) 4 days at 10°C
- (4) 2 days at 25°C

Options :

- 55317225677. 1
- 55317225678. 2
- 55317225679. 3
- 55317225680. 4

Question Number : 121 Question Id : 5531726435 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Collagen content of a tissue is generally estimated in terms of the following Amino Acid:

- (1) Proline
- (2) Hydroxyproline
- (3) Lysine
- (4) Methionine

Options :

- 55317225681. 1
- 55317225682. 2
- 55317225683. 3
- 55317225684. 4

Question Number : 122 Question Id : 5531726436 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

As per FSSAI notification, minimum fat and SNF percentage in cow milk shall be:

- (1) 4.5% Fat and 8.5% SNF
- (2) 3.5% Fat and 8.5% SNF
- (3) 3.2% Fat and 8.3% SNF
- (4) 3.0% Fat and 8.0% SNF

**Options :**

- 55317225685. 1
- 55317225686. 2
- 55317225687. 3
- 55317225688. 4

**Question Number : 123 Question Id : 5531726437 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 common acid used for preparation of paneer is

- (1) Citric acid
- (2) Lactic acid
- (3) Propionic acid
- (4) Hydrochloric acid

**Options :**

- 55317225689. 1
- 55317225690. 2
- 55317225691. 3
- 55317225692. 4

**Question Number : 124 Question Id : 5531726438 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 correct sequence for preparation of emulsion based meat products is

- (1) Deboning-Mincing-Cooking-Stuffing-Chopping (Bowl)
- (2) Deboning-Stuffing-Cooking-Mincing-Chopping (Bowl)
- (3) Mincing-Deboning-Cooking-Stuffing-Chopping (Bowl)
- (4) Deboning-Mincing-Chopping (Bowl)-Stuffing-Cooking

**Options :**

- 55317225693. 1
- 55317225694. 2
- 55317225695. 3
- 55317225696. 4

**Question Number : 125 Question Id : 5531726439 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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



'Surface Ropiness' of milk during storage is generally caused by

- (1) Pseudomonas Fragi
- (2) Alkaligenes Viscolactis
- (3) Streptococcus Lactis
- (4) Serratia Marcescens

Options :

- 55317225697. 1
- 55317225698. 2
- 55317225699. 3
- 55317225700. 4

Question Number : 126 Question Id : 5531726440 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

As per FSSAI notification, maximum permissible moisture content in 'Ghee' is

- (1) Less than 0.5%
- (2) Less than 1.0%
- (3) Less than 0.1%
- (4) Less than 1.5%

Options :

- 55317225701. 1
- 55317225702. 2
- 55317225703. 3
- 55317225704. 4

Question Number : 127 Question Id : 5531726441 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

'Sandiness' in ice-cream is mainly contributed by

- (1) Salt soluble protein content
- (2) Lactose content
- (3) Saturated fat content
- (4) Mineral content

Options :

- 55317225705. 1
- 55317225706. 2
- 55317225707. 3
- 55317225708. 4

Question Number : 128 Question Id : 5531726442 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 sensory testing consisting of three coded samples, wherein two are identical and one is different, is known as

- (1) Duo test
- (2) Duo-trio test
- (3) Triangle test
- (4) Paired test

**Options :**

55317225709. 1

55317225710. 2

55317225711. 3

55317225712. 4

**Question Number : 129 Question Id : 5531726443 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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

True wool fiber does not have

- (1) Cortex
- (2) Cuticle
- (3) Medulla
- (4) Cortex and cuticle

**Options :**

55317225713. 1

55317225714. 2

55317225715. 3

55317225716. 4

**Question Number : 130 Question Id : 5531726444 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 fibre diameter and fibre crimps of fine Merino wool generally vary between

- (1) 15-20 micron and 2-4 crimps per inch
- (2) 35-40 micron and 20-30 crimps per inch
- (3) 25-30 micron and 2-4 crimps per inch
- (4) 15-20 micron and 20-30 crimps per inch

**Options :**

55317225717. 1

55317225718. 2

55317225719. 3

55317225720. 4

**Question Number : 131 Question Id : 5531726445 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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



Important sheep breeds which are generally classified as 'Apparel Wool Sheep Breeds' are

- (1) Hissardale ,Nilgiri, Kashmiri merino
- (2) Marwari, Malpura, Sonadi
- (3) Muzaffarnagari, Magra, Gaddi
- (4) Jaisalmeri, Coimbatore, Deccani

Options :

- 55317225721. 1
- 55317225722. 2
- 55317225723. 3
- 55317225724. 4

Question Number : 132 Question Id : 5531726446 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

'Cryovac' packaging system is related to

- (1) Modified Atmospheric packaging
- (2) Vaccum packaging
- (3) Shrink packaging
- (4) Biodegradable packaging

Options :

- 55317225725. 1
- 55317225726. 2
- 55317225727. 3
- 55317225728. 4

Question Number : 133 Question Id : 5531726447 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 appropriate Gas mixer for modified atmospheric packaging of cooked meat and sausages is

- (1) 70-80% N<sub>2</sub> + 20-30% CO<sub>2</sub>
- (2) 70-80% O<sub>2</sub> + 20-30% N<sub>2</sub>
- (3) 70-80% CO<sub>2</sub> + 20-30% O<sub>2</sub>
- (4) 40-50% O<sub>2</sub> + 40-50% CO<sub>2</sub>

Options :

- 55317225729. 1
- 55317225730. 2
- 55317225731. 3
- 55317225732. 4

Question Number : 134 Question Id : 5531726448 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 active or smart packaging?

- (1) Oxygen scavengers or absorbers
- (2) Antimicrobial substances
- (3) Biodegradability
- (4) Quality and temperature sensors

Options :

- 55317225733. 1
- 55317225734. 2
- 55317225735. 3
- 55317225736. 4

Question Number : 135 Question Id : 5531726449 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Electrical stimulation of carcasses has been found to be 'LEAST' effective in bringing improvement in

- (1) Tenderness of meat
- (2) pH of meat
- (3) colour and texture of meat
- (4) Microbial load of meat

Options :

- 55317225737. 1
- 55317225738. 2
- 55317225739. 3
- 55317225740. 4

Question Number : 136 Question Id : 5531726450 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

'DFD' condition is common in

- (1) Bovines subjected to long term stress
- (2) Pigs subjected to long term stress
- (3) Pigs subjected to short term stress
- (4) Bovines subjected to short term stress

Options :

- 55317225741. 1
- 55317225742. 2
- 55317225743. 3
- 55317225744. 4

Question Number : 137 Question Id : 5531726451 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1



pH value of mechanically deboned meat is generally higher than hand deboned meat, mainly due to incorporation of

- (1) Bone chips
- (2) Bone marrow
- (3) Meat trimmings
- (4) Fat particles

**Options :**

- 55317225745. 1
- 55317225746. 2
- 55317225747. 3
- 55317225748. 4

**Question Number : 138 Question Id : 5531726452 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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

Slaughter houses which are supplying meat for domestic use only are licensed and monitored by

- (1) NRC on meat
- (2) APEDA
- (3) FSSAI
- (4) MoFPI

**Options :**

- 55317225749. 1
- 55317225750. 2
- 55317225751. 3
- 55317225752. 4

**Question Number : 139 Question Id : 5531726453 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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

Per capita meat and milk availability in India is approximately

- (1) 4.5 kg/year and 337gm/day, respectively
- (2) 6.0 kg/year and 300gm/day, respectively
- (3) 6.5 kg/year and 437gm/day, respectively
- (4) 3.5 kg/year and 250gm/day, respectively

**Options :**

- 55317225753. 1
- 55317225754. 2
- 55317225755. 3
- 55317225756. 4

**Question Number : 140 Question Id : 5531726454 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 statements is 'NOT TRUE' from meat quality point of view?

- (1) Rest should be given to animal before slaughter
- (2) Animal should not be fed, only ad lib water should be given before slaughter
- (3) As far as possible, meat/carcass should be chilled before making cuts
- (4) For best sensory quality, meat should be cooked during full rigor stage

**Options :**

- 55317225757. 1
- 55317225758. 2
- 55317225759. 3
- 55317225760. 4

**Question Number : 141 Question Id : 5531726455 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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

Single combed White Leghorn is a

- (1) Breed
- (2) Variety
- (3) Line
- (4) Strain

**Options :**

- 55317225761. 1
- 55317225762. 2
- 55317225763. 3
- 55317225764. 4

**Question Number : 142 Question Id : 5531726456 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 inherited by complementary gene action?

- (1) Comb pattern
- (2) Egg number
- (3) Shank Colour
- (4) Rate of feathering

**Options :**

- 55317225765. 1
- 55317225766. 2
- 55317225767. 3
- 55317225768. 4

**Question Number : 143 Question Id : 5531726457 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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



White plumage in Plymouth Rock chicken is an example of-

- (1) Epistasis
- (2) Complementary of gene action
- (3) Modifying gene action
- (4) Cryptomere

Options :

- 55317225769. 1
- 55317225770. 2
- 55317225771. 3
- 55317225772. 4

Question Number : 144 Question Id : 5531726458 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Osborne's index method of selection for egg number is a

- (1) Individual selection
- (2) Within family selection
- (3) Combined selection
- (4) Progeny testing

Options :

- 55317225773. 1
- 55317225774. 2
- 55317225775. 3
- 55317225776. 4

Question Number : 145 Question Id : 5531726459 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 efficient method of transgenesis in poultry is

- (1) Sperm mediated gene transfer
- (2) Microinjection
- (3) Nuclear transfer
- (4) Primordial germ cell transfer

Options :

- 55317225777. 1
- 55317225778. 2
- 55317225779. 3
- 55317225780. 4

Question Number : 146 Question Id : 5531726460 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 mating method in which the inbreeding coefficient is the lowest in poultry

- (1) Pair mating
- (2) Pen mating
- (3) Flock mating
- (4) Shift mating

**Options :**

- 55317225781. 1
- 55317225782. 2
- 55317225783. 3
- 55317225784. 4

**Question Number : 147 Question Id : 5531726461 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 methionine requirement during chick stage in commercial layers as per BIS(2007) is

- (1) 0.35%
- (2) 0.40%
- (3) 0.45%
- (4) 0.50%

**Options :**

- 55317225785. 1
- 55317225786. 2
- 55317225787. 3
- 55317225788. 4

**Question Number : 148 Question Id : 5531726462 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 only essential fatty acid in poultry is

- (1) Glutamic acid
- (2) Arachidonic acid
- (3) Linolenic acid
- (4) Linoleic acid

**Options :**

- 55317225789. 1
- 55317225790. 2
- 55317225791. 3
- 55317225792. 4

**Question Number : 149 Question Id : 5531726463 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

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

Coccidiosis and subsequent treatment with sulpha drugs will result in the deficiency of Vitamin

- (1) A
- (2) D
- (3) E
- (4) K

**Options :**

- 55317225793. 1
- 55317225794. 2
- 55317225795. 3
- 55317225796. 4



Question Number : 150 Question Id : 5531726464 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 grains is deficient in tryptophan?

- (1) Maize
- (2) Oats
- (3) Bajra
- (4) Barley

Options :

55317225797. 1

55317225798. 2

55317225799. 3

55317225800. 4

Question Number : 151 Question Id : 5531726465 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 conditioning of feed is done in pelletizer before extrusion at a temperature of

- (1) 60°C
- (2) 90°C
- (3) 75°C
- (4) 110°C

Options :

55317225801. 1

55317225802. 2

55317225803. 3

55317225804. 4

Question Number : 152 Question Id : 5531726466 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 not a accessory reproductive organ of male chicken?

- (1) Paraclonal vascular bodies
- (2) Dorsal proctodeal gland
- (3) Lymphatic folds
- (4) Cowper's gland

Options :

55317225805. 1

55317225806. 2

55317225807. 3

55317225808. 4

Question Number : 153 Question Id : 5531726467 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 highest concentration of plasma progesterone is found in laying her

- (1) 30 minutes before ovulation
- (2) 1-2 hours before ovulation
- (3) 4-6 hours before ovulation
- (4) 3-5 hours after ovulation

Options :

- 55317225809. 1
- 55317225810. 2
- 55317225811. 3
- 55317225812. 4

Question Number : 154 Question Id : 5531726468 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 thickest layer of egg shell is

- (1) Palisade layer
- (2) Mammillary layer
- (3) Surface crystal layer
- (4) Cuticle

Options :

- 55317225813. 1
- 55317225814. 2
- 55317225815. 3
- 55317225816. 4

Question Number : 155 Question Id : 5531726469 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 lateral chambers of clavicular air sac connect with the bone

- (1) Femur
- (2) Humerus
- (3) Sternum
- (4) Scapula

Options :

- 55317225817. 1
- 55317225818. 2
- 55317225819. 3
- 55317225820. 4

Question Number : 156 Question Id : 5531726470 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 weigh of albumen (egg white) of an egg weighing 60 gram is around

- (1) 36g
- (2) 45g
- (3) 25g
- (4) 20g



**Options :**

- 55317225821. 1
- 55317225822. 2
- 55317225823. 3
- 55317225824. 4

**Question Number : 157 Question Id : 5531726471 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 egg protein is wrongly matched with its properties

- (1) Ovalbumin – viscosity builder
- (2) Avidin – binds protein
- (3) Ovomacro globulin- strongly antigenic
- (4) Lysozyme – destroys bacteria

**Options :**

- 55317225825. 1
- 55317225826. 2
- 55317225827. 3
- 55317225828. 4

**Question Number : 158 Question Id : 5531726472 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 vitamins is not present in the egg?

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

**Options :**

- 55317225829. 1
- 55317225830. 2
- 55317225831. 3
- 55317225832. 4

**Question Number : 159 Question Id : 5531726473 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 substance extracted from vitelline membrane of the eggs for pharmaceutical use is

- (1) Sialic acid
- (2) Lysozyme
- (3) Lutein
- (4) Lecithin

**Options :**

- 55317225833. 1
- 55317225834. 2
- 55317225835. 3
- 55317225836. 4

Question Number : 160 Question Id : 5531726474 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 line processing of poultry, the chilling of carcass is done in a refrigerated blast room with the air temperature of

- (1) 10°F
- (2) 20°F
- (3) 25°F
- (4) 30°F

Options :

55317225837. 1

55317225838. 2

55317225839. 3

55317225840. 4

Question Number : 161 Question Id : 5531726475 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

As per basic animal husbandry statistics (2018) the proportion of meat produced by poultry out of total meat produced in India is nearby:

- (1) 25%
- (2) 33%
- (3) 40%
- (4) 50%

Options :

55317225841. 1

55317225842. 2

55317225843. 3

55317225844. 4

Question Number : 162 Question Id : 5531726476 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 maximum tolerance level of carbon dioxide in hatcher compartment is

- (1) 0.25%
- (2) 0.40%
- (3) 0.50%
- (4) 0.75%

Options :

55317225845. 1

55317225846. 2

55317225847. 3

55317225848. 4

Question Number : 163 Question Id : 5531726477 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 potassium permanganate required to fumigate a hatcher compartment of 400 c ft with 1X concentration is

- (1) 160g
- (2) 120g
- (3) 100g
- (4) 80g

**Options :**

- 55317225849. 1
- 55317225850. 2
- 55317225851. 3
- 55317225852. 4

**Question Number : 164 Question Id : 5531726478 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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

Out of 2000 eggs set 1900 were fertile. Out of which, 1800 chicks hatched out. The fertile hatchability is

- (1) 98.00%
- (2) 94.74%
- (3) 90.50%
- (4) 90.00%

**Options :**

- 55317225853. 1
- 55317225854. 2
- 55317225855. 3
- 55317225856. 4

**Question Number : 165 Question Id : 5531726479 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 minimum viable flock size of a commercial layer farm at the present scenario is

- (1) 10,000 birds
- (2) 50,000 birds
- (3) 1 lakh birds
- (4) 10 lakh birds

**Options :**

- 55317225857. 1
- 55317225858. 2
- 55317225859. 3
- 55317225860. 4

**Question Number : 166 Question Id : 5531726480 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 egg price in India is determined by

- (1) NECC
- (2) APEDA
- (3) CLFMA
- (4) BCC

Options :

- 55317225861. 1
- 55317225862. 2
- 55317225863. 3
- 55317225864. 4

Question Number : 167 Question Id : 5531726481 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 inputs has to be arranged by the farmers themselves in broiler production under integration?

- (1) Chicks
- (2) Feed
- (3) Litter material
- (4) Medicine and vaccines

Options :

- 55317225865. 1
- 55317225866. 2
- 55317225867. 3
- 55317225868. 4

Question Number : 168 Question Id : 5531726482 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 composting of poultry carcass, the temperature inside the composting bin should rise above

- (1) 40°c
- (2) 45°c
- (3) 54°c
- (4) 70°c

Options :

- 55317225869. 1
- 55317225870. 2
- 55317225871. 3
- 55317225872. 4

Question Number : 169 Question Id : 5531726483 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1



Neurotropic Velogenic New Castle Disease (NVND) is otherwise called as

- (1) Doyle's form
- (2) Beaudette's form
- (3) Hitchner's form
- (4) Beach's form

**Options :**

- 55317225873. 1
- 55317225874. 2
- 55317225875. 3
- 55317225876. 4

**Question Number : 170 Question Id : 5531726484 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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

Psittacine Beak and Feather Disease is caused by

- (1) Circovirus
- (2) Bimavirus
- (3) Coronavirus
- (4) Paramyxovirus

**Options :**

- 55317225877. 1
- 55317225878. 2
- 55317225879. 3
- 55317225880. 4

**Question Number : 171 Question Id : 5531726485 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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

Movement of solvent due to osmosis occurs from solute concentration direction as

- (1) Higher to lower
- (2) Lower to higher
- (3) Equalized concentration
- (4) Irrespective of concentration

**Options :**

- 55317225881. 1
- 55317225882. 2
- 55317225883. 3
- 55317225884. 4

**Question Number : 172 Question Id : 5531726486 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 out of the following cells is a component of blood brain barrier

- (1) Microglia
- (2) Oligodendroglia
- (3) Astrocyte
- (4) Schwann cell

Options :

- 55317225885. 1
- 55317225886. 2
- 55317225887. 3
- 55317225888. 4

Question Number : 173 Question Id : 5531726487 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

R-wave of electrocardiogram represents depolarization of:

- (1) Atria
- (2) Ventricles
- (3) Both atria and ventricles
- (4) Atrio ventricular valve

Options :

- 55317225889. 1
- 55317225890. 2
- 55317225891. 3
- 55317225892. 4

Question Number : 174 Question Id : 5531726488 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 out of the following is a characteristic of cardiac muscle cell:

- (1) Automacity
- (2) Individually innervated
- (3) Anaerobic metabolism
- (4) Absence of syncytium

Options :

- 55317225893. 1
- 55317225894. 2
- 55317225895. 3
- 55317225896. 4

Question Number : 175 Question Id : 5531726489 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Thalassemia is caused due to

- (1) Absence of globin chain
- (2) Defective amino acid in globin chain
- (3) Absence of heme
- (4) Excessive heme catabolism



**Options :**

- 55317225897. 1
- 55317225898. 2
- 55317225899. 3
- 55317225900. 4

**Question Number : 176 Question Id : 5531726490 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

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

Reflex control of mammalian respiration is carried out through

- (1) Haldane effect
- (2) Hering Breuer reflex
- (3) Bohr's effect
- (4) Brain-bridge reflex

**Options :**

- 55317225901. 1
- 55317225902. 2
- 55317225903. 3
- 55317225904. 4

**Question Number : 177 Question Id : 5531726491 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 pneumothorax the transpleural pressure tends to be:

- (1) Negative
- (2) Positive
- (3) Zero
- (4) Fluctuating

**Options :**

- 55317225905. 1
- 55317225906. 2
- 55317225907. 3
- 55317225908. 4

**Question Number : 178 Question Id : 5531726492 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 strenuous exercise, changes occurring in the body are:

- (1) Rise in respiratory minute volume and fall in cardiac minute volume
- (2) Fall in respiratory minute volume and rise in cardiac minute volume
- (3) Fall in both respiratory and cardiac minute volumes
- (4) Rise in both respiratory and cardiac minute volumes

**Options :**

- 55317225909. 1
- 55317225910. 2
- 55317225911. 3
- 55317225912. 4

Question Number : 179 Question Id : 5531726493 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 the normal function of kidneys?

- (1) Thermoregulation
- (2) Water homeostasis
- (3) Electrolyte homeostasis
- (4) Acid base balance

Options :

55317225913. 1

55317225914. 2

55317225915. 3

55317225916. 4

Question Number : 180 Question Id : 5531726494 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Bicarbonate buffer system is most effective buffer system of blood because of its:

- (1) Highest concentration in blood
- (2) Rapid removal from kidneys
- (3) Concentration rapidly adjusted through lungs
- (4) High solubility in plasma

Options :

55317225917. 1

55317225918. 2

55317225919. 3

55317225920. 4

Question Number : 181 Question Id : 5531726495 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 potent stimulus for release of antidiuretic hormone is:

- (1) Plasma hyperosmolality
- (2) Plasma hypoosmolality
- (3) Over hydration of plasma
- (4) Tissue hypoxia

Options :

55317225921. 1

55317225922. 2

55317225923. 3

55317225924. 4

Question Number : 182 Question Id : 5531726496 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 process does not involve direct enzyme action?

- (1) Peptic digestion
- (2) Emulsification of lipids
- (3) Lipolytic digestion
- (4) Curdling of milk

**Options :**

- 55317225925. 1
- 55317225926. 2
- 55317225927. 3
- 55317225928. 4

**Question Number : 183 Question Id : 5531726497 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 function is not performed by rumen bacteria?

- (1) Saturation of unsaturated fatty acids
- (2) Microbial protein synthesis
- (3) Glucose synthesis
- (4) Vitamin B complex synthesis

**Options :**

- 55317225929. 1
- 55317225930. 2
- 55317225931. 3
- 55317225932. 4

**Question Number : 184 Question Id : 5531726498 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 functions is not stimulated by gastrointestinal hormones?

- (1) Gut motility
- (2) Gut secretions
- (3) Blood flow to gut
- (4) Thermoregulation

**Options :**

- 55317225933. 1
- 55317225934. 2
- 55317225935. 3
- 55317225936. 4

**Question Number : 185 Question Id : 5531726499 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 relative refractory period, the muscle fibre shows:

- (1) Response to normal stimulation
- (2) Response to a stronger stimulus
- (3) No response to a stronger stimulus
- (4) Refractoriness to tetanization

**Options :**

- 55317225937. 1
- 55317225938. 2
- 55317225939. 3
- 55317225940. 4

**Question Number : 186 Question Id : 5531726500 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 special feature of skeletal muscles?

- (1) Presence of intercalated disc
- (2) Presence of tight intercellular junction
- (3) Individually innervated
- (4) Presence of functional syncytium

**Options :**

- 55317225941. 1
- 55317225942. 2
- 55317225943. 3
- 55317225944. 4

**Question Number : 187 Question Id : 5531726501 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 neuronal circuit involved in strengthening of pre existing memory is:

- (1) Convergent
- (2) Divergent
- (3) Antagonistic
- (4) Reverberating

**Options :**

- 55317225945. 1
- 55317225946. 2
- 55317225947. 3
- 55317225948. 4

**Question Number : 188 Question Id : 5531726502 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

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



Electro encephalographic rhythm associated with deep sleep is

- (1) Alpha
- (2) Beta
- (3) Delta
- (4) Theta

**Options :**

- 55317225949. 1
- 55317225950. 2
- 55317225951. 3
- 55317225952. 4

**Question Number : 189 Question Id : 5531726503 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 part of ear involved in sensing rotatory movement is:

- (1) Vestibule
- (2) Saccule
- (3) Cochlea
- (4) Organ of corti

**Options :**

- 55317225953. 1
- 55317225954. 2
- 55317225955. 3
- 55317225956. 4

**Question Number : 190 Question Id : 5531726504 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 hormones is involved in growth of female reproductive tract?

- (1) Follicle stimulating hormone
- (2) Luteinizing hormone
- (3) Testosterone
- (4) Estrogens

**Options :**

- 55317225957. 1
- 55317225958. 2
- 55317225959. 3
- 55317225960. 4

**Question Number : 191 Question Id : 5531726505 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

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

Metal ion involved in mediating action of insulin is:

- (1) Zinc
- (2) Calcium
- (3) Magnesium
- (4) Iron

**Options :**

- 55317225961. 1
- 55317225962. 2
- 55317225963. 3
- 55317225964. 4

**Question Number : 192 Question Id : 5531726506 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 hormones has longest half life?

- (1) Thyroxine
- (2) Cortisol
- (3) Oxytocin
- (4) Tri-iodothyronine

**Options :**

- 55317225965. 1
- 55317225966. 2
- 55317225967. 3
- 55317225968. 4

**Question Number : 193 Question Id : 5531726507 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 out of the followings is not a part of Graafian Follicle?

- (1) Leydig's cell
- (2) Chorona radiata
- (3) Cumulus cells
- (4) Zona pellucida

**Options :**

- 55317225969. 1
- 55317225970. 2
- 55317225971. 3
- 55317225972. 4

**Question Number : 194 Question Id : 5531726508 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

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

Type of placenta in pregnant bitch is:

- (1) Epithelio-chorial
- (2) Syndesmo-chorial
- (3) Endotheliochorial
- (4) Hemo-chorial

**Options :**

- 55317225973. 1
- 55317225974. 2
- 55317225975. 3
- 55317225976. 4



Question Number : 195 Question Id : 5531726509 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 out of the following hormonal condition favors normal parturition in cow?

- (1) Low progesterone, low oxytocin, low estrogen
- (2) High progesterone, low oxytocin, high estrogen
- (3) Low progesterone, low oxytocin, high estrogen
- (4) High progesterone, high oxytocin, low estrogen

Options :

55317225977. 1

55317225978. 2

55317225979. 3

55317225980. 4

Question Number : 196 Question Id : 5531726510 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Expulsion of placenta is accomplished in which stage of parturition?

- (1) First
- (2) Second
- (3) Third
- (4) Fifth

Options :

55317225981. 1

55317225982. 2

55317225983. 3

55317225984. 4

Question Number : 197 Question Id : 5531726511 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 out of the followings is most suitable for expressing compensatory growth?

- (1) Kidneys
- (2) Brain
- (3) Bone marrow
- (4) Skin epidermis

Options :

55317225985. 1

55317225986. 2

55317225987. 3

55317225988. 4

Question Number : 198 Question Id : 5531726512 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 out of the followings represents true physiological growth?

- (1) Erythropoiesis
- (2) Tumorous growth
- (3) Obesity weight gain
- (4) Muscular dystrophy

**Options :**

- 55317225989. 1
- 55317225990. 2
- 55317225991. 3
- 55317225992. 4

**Question Number : 199 Question Id : 5531726513 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 out of the followings is observed when heat load on the animal is enhanced?

- (1) Wallowing
- (2) Hibernation
- (3) Unddling
- (4) Piloerection

**Options :**

- 55317225993. 1
- 55317225994. 2
- 55317225995. 3
- 55317225996. 4

**Question Number : 200 Question Id : 5531726514 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 morphological adaption is useful against cold stress?

- (1) Well-developed dewlap
- (2) Long extremities
- (3) Compact barrel type body
- (4) Shiny hair coat

**Options :**

- 55317225997. 1
- 55317225998. 2
- 55317225999. 3
- 55317226000. 4