

National Testing Agency

Question Paper Name :	Veterinary Gynaecology and Obstetrics Animal Reproduction 23rd Sep 2020 Shift 2 Set 2
Subject Name :	Veterinary Gynaecology and Obstetrics Animal Reproduction
Creation Date :	2020-09-23 19:33:38
Duration :	120
Total Marks :	480
Display Marks:	Yes
Share Answer Key With Delivery Engine :	Yes
Actual Answer Key :	Yes

Veterinary Gynaecology and Obstetrics Animal Reproduction

Group Number :	1
Group Id :	71087030
Group Maximum Duration :	0
Group Minimum Duration :	120
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	480
Is this Group for Examiner? :	No

Part A General Knowledge

Section Id :	71087088
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory

Number of Questions :	20
Number of Questions to be attempted :	20
Section Marks :	80
Display Number Panel :	Yes
Group All Questions :	Yes
Mark As Answered Required? :	Yes
Sub-Section Number :	1
Sub-Section Id :	71087088
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 7108703541 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

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

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

Options :

71087014161. 1
71087014162. 2
71087014163. 3
71087014164. 4

Question Number : 2 Question Id : 7108703542 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

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

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

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

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

Options :

- 71087014165. 1
- 71087014166. 2
- 71087014167. 3
- 71087014168. 4

Question Number : 3 Question Id : 7108703543 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Indian agriculture is typically characterized as

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

Options :

- 71087014169. 1

71087014170. 2

71087014171. 3

71087014172. 4

Question Number : 4 Question Id : 7108703544 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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

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

Options :

71087014173. 1

71087014174. 2

71087014175. 3

71087014176. 4

Question Number : 5 Question Id : 7108703545 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Given below are two statements

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

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

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

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

Options :

71087014177. 1

71087014178. 2

71087014179. 3

71087014180. 4

Question Number : 6 Question Id : 7108703546 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

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

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

Options :

- 71087014181. 1
- 71087014182. 2
- 71087014183. 3
- 71087014184. 4

Question Number : 7 Question Id : 7108703547 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

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

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

Options :

- 71087014185. 1
- 71087014186. 2
- 71087014187. 3
- 71087014188. 4

Question Number : 8 Question Id : 7108703548 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

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

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

Options :

71087014189. 1
71087014190. 2
71087014191. 3
71087014192. 4

Question Number : 9 Question Id : 7108703549 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

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

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

Options :

71087014193. 1
71087014194. 2
71087014195. 3
71087014196. 4

Question Number : 10 Question Id : 7108703550 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

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

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

Options :

71087014197. 1

71087014198. 2

71087014199. 3

71087014200. 4

Question Number : 11 Question Id : 7108703551 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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

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

Options :

71087014201. 1

71087014202. 2

71087014203. 3

71087014204. 4

Question Number : 12 Question Id : 7108703552 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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

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

Options :

71087014205. 1
71087014206. 2
71087014207. 3
71087014208. 4

Question Number : 13 Question Id : 7108703553 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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

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

Options :

71087014209. 1
71087014210. 2
71087014211. 3
71087014212. 4

Question Number : 14 Question Id : 7108703554 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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

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

Options :

- 71087014213. 1
- 71087014214. 2
- 71087014215. 3
- 71087014216. 4

Question Number : 15 Question Id : 7108703555 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Where is the headquarters of European Union?

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

Options :

- 71087014217. 1
- 71087014218. 2
- 71087014219. 3
- 71087014220. 4

Question Number : 16 Question Id : 7108703556 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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

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

Options :

- 71087014221. 1
- 71087014222. 2
- 71087014223. 3
- 71087014224. 4

Question Number : 17 Question Id : 7108703557 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

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

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

Options :

- 71087014225. 1
- 71087014226. 2
- 71087014227. 3
- 71087014228. 4

Question Number : 18 Question Id : 7108703558 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

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

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

Options :

- 71087014229. 1
- 71087014230. 2
- 71087014231. 3
- 71087014232. 4

Question Number : 19 Question Id : 7108703559 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Economic liberalization in India started with

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

Options :

- 71087014233. 1
- 71087014234. 2
- 71087014235. 3
- 71087014236. 4

Question Number : 20 Question Id : 7108703560 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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

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

Options :

- 71087014237. 1

71087014238. 2
71087014239. 3
71087014240. 4

Part B Core Veterinary and Animal Sciences-III

Section Id :	71087089
Section Number :	2
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	50
Number of Questions to be attempted :	50
Section Marks :	200
Display Number Panel :	Yes
Group All Questions :	Yes
Mark As Answered Required? :	Yes
Sub-Section Number :	1
Sub-Section Id :	71087089
Question Shuffling Allowed :	Yes

**Question Number : 21 Question Id : 7108703561 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1**

The Vertebral formula of Ox is

1. C₇ T₁₃ L₆ S₍₅₎ Cy₁₈₋₂₀
2. C₇ T₁₈ L₆ S₍₅₎ Cy₁₅₋₂₁
3. C₇ T₁₃ L₇ S₍₃₎ Cy₁₈₋₂₃
4. C₇ T₁₃₋₁₄ L₆₋₇ S₍₄₎ Cy₁₅

Options :

71087014241. 1
71087014242. 2

71087014243. 3

71087014244. 4

Question Number : 22 Question Id : 7108703562 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Trochanter tertius is present in the femur of

1. Horse

2. Ox

3. Dog

4. Pig

Options :

71087014245. 1

71087014246. 2

71087014247. 3

71087014248. 4

Question Number : 23 Question Id : 7108703563 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The largest salivary gland in horse is

1. Parotid

2. Mandibular

3. Sublingual

4. Zygomatic

Options :

71087014249. 1

71087014250. 2

71087014251. 3

71087014252. 4

Question Number : 24 Question Id : 7108703564 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

The IIIrd and IVth metacarpals get fused to form large metacarpal in

1. Horse
2. Ox
3. Dog
4. Pig

Options :

71087014253. 1
71087014254. 2
71087014255. 3
71087014256. 4

Question Number : 25 Question Id : 7108703565 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Odontoid process is present in

1. Atlas
2. Axis
3. 6th cervical vertebra
4. Typical cervical vertebra

Options :

71087014257. 1
71087014258. 2
71087014259. 3
71087014260. 4

Question Number : 26 Question Id : 7108703566 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Mediastinum testis is absent in

1. Bull
2. Boar
3. Sow
4. Horse

Options :

71087014261. 1
71087014262. 2
71087014263. 3
71087014264. 4

Question Number : 27 Question Id : 7108703567 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Thyroid follicles are lined with

1. Simple squamous epithelium
2. Simple cuboidal epithelium
3. Simple columnar epithelium
4. Pseudostratified columnar epithelium

Options :

71087014265. 1
71087014266. 2
71087014267. 3
71087014268. 4

Question Number : 28 Question Id : 7108703568 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

The first branch of aorta is

1. Common carotid artery
2. Coronary artery
3. Common brachiocephalic artery
4. Bronchial artery

Options :

71087014269. 1

71087014270. 2

71087014271. 3

71087014272. 4

Question Number : 29 Question Id : 7108703569 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The facial crest is prominent and is used as landmark to record pulse rate in

1. Horse
2. Ox
3. Dog
4. Pig

Options :

71087014273. 1

71087014274. 2

71087014275. 3

71087014276. 4

Question Number : 30 Question Id : 7108703570 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

A sickle-shaped fold of dura mater, situated in the longitudinal fissure between the two cerebral hemispheres is called

1. Falx cerebri
2. Tentorium cerebelli
3. Tela choroidea
4. Sella turcica

Options :

71087014277. 1
71087014278. 2
71087014279. 3
71087014280. 4

Question Number : 31 Question Id : 7108703571 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following indices most correctly represents a margin of safety but is least practically applied?

1. Therapeutic Index
2. Certain Safety Factor
3. Therapeutic Ratio
4. Dose Ratio

Options :

71087014281. 1
71087014282. 2
71087014283. 3
71087014284. 4

Question Number : 32 Question Id : 7108703572 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Atropine causes

1. Miosis, a reduction in intraocular pressure and cyclospasm
2. Mydriasis, a rise in intraocular pressure and cycloplegia
3. Miosis, a rise in intraocular pressure and cycloplegia
4. Mydriasis, a rise in intraocular pressure and cyclospasm

Options :

71087014285. 1

71087014286. 2

71087014287. 3

71087014288. 4

Question Number : 33 Question Id : 7108703573 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Drug of choice for the treatment of Zollinger Ellison Syndrome is

1. Famotidine
2. Omeprazole
3. Lansoprazole
4. Cimetidine

Options :

71087014289. 1

71087014290. 2

71087014291. 3

71087014292. 4

Question Number : 34 Question Id : 7108703574 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Methylxanthine derivatives produce diuretic action by

1. Inhibiting Na^+ - Cl^- exchange at distal convoluted tubules
2. Enhancing renal blood flow
3. Decreasing water absorption in descending loop of Henle
4. Blocking Na^+ channels ion collecting ducts

Options :

71087014293. 1

71087014294. 2

71087014295. 3

71087014296. 4

Question Number : 35 Question Id : 7108703575 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following is the long-acting corticosteroid?

1. Corticosone
2. Triamcinolone
3. Betamethasone
4. Prednisolone

Options :

71087014297. 1

71087014298. 2

71087014299. 3

71087014300. 4

Question Number : 36 Question Id : 7108703576 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Conversion of angiotensin I to angiotensin II is catalysed by

1. Angiotensin converting enzyme
2. Amino peptidase enzyme
3. Phospholipase enzyme
4. Cyclooxygenase enzyme

Options :

71087014301. 1
71087014302. 2
71087014303. 3
71087014304. 4

Question Number : 37 Question Id : 7108703577 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Chemically, cephalosporin nucleus is

1. 7-aminocephalosporanic acid
2. 3-aminocephalosporanic acid
3. 7-Hydroxycephalosporanic acid
4. 3-amino-4 methyl-cephalosporanic acid

Options :

71087014305. 1
71087014306. 2
71087014307. 3
71087014308. 4

Question Number : 38 Question Id : 7108703578 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Fenvalerate belongs to which one of the following classes of insecticides?

1. Carbamate insecticides
2. Synthetic Pyrethroid insecticide Type I
3. Synthetic Pyrethroid insecticide Type II
4. Organophosphate insecticide

Options :

71087014309. 1
71087014310. 2
71087014311. 3
71087014312. 4

Question Number : 39 Question Id : 7108703579 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

The response in case of drug-enzymatic receptor interaction occurs within

1. Milliseconds
2. Seconds
3. Minutes
4. Hours to days

Options :

71087014313. 1
71087014314. 2
71087014315. 3
71087014316. 4

Question Number : 40 Question Id : 7108703580 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which one of the following non-steroidal anti-inflammatory drug has the highest COX-2 IC50/
COX-1 IC50?

1. Meloxicam
2. Piroxicam
3. Nimesulide
4. Paracetamol

Options :

71087014317. 1
71087014318. 2
71087014319. 3
71087014320. 4

**Question Number : 41 Question Id : 7108703581 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 4 Wrong Marks : 1

Central venous pressure is a direct measure of

1. Afterload
2. Blood pressure in the cranial vena cava
3. Preload
4. Venous blood volume

Options :

71087014321. 1
71087014322. 2
71087014323. 3
71087014324. 4

**Question Number : 42 Question Id : 7108703582 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 4 Wrong Marks : 1

The calculated ratio of the density of a local anaesthetic solution to the density of CSF is

1. Isobaricity
2. Hypobaricity
3. Baricity
4. Hyperbaricity

Options :

71087014325. 1
71087014326. 2
71087014327. 3
71087014328. 4

Question Number : 43 Question Id : 7108703583 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

The addition of sodium bicarbonate to procaine, mepivacaine and lidocaine will

1. Enhance the onset of nerve block
2. Shorten the onset of nerve block
3. Not change in the onset of nerve block
4. Enhance the onset and depth of nerve block

Options :

71087014329. 1
71087014330. 2
71087014331. 3
71087014332. 4

Question Number : 44 Question Id : 7108703584 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

A long scale of contrast for an abdominal view may be achieved by

1. Low kVp and high mAs
2. High kVp and high mAs
3. High kVp and low mAs
4. Low kVp and low mAs

Options :

71087014333. 1

71087014334. 2

71087014335. 3

71087014336. 4

Question Number : 45 Question Id : 7108703585 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The most common type of shoulder luxation noticed in dogs is

1. Cranial
2. Lateral
3. Medial
4. Caudal

Options :

71087014337. 1

71087014338. 2

71087014339. 3

71087014340. 4

Question Number : 46 Question Id : 7108703586 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The bone disease characterized by medullary fibrosis as well as both endosteal and subperiosteal new bone deposition is called

1. Panosteitis
2. Osteodystrophy
3. Osteopathy
4. Osteomyelitis

Options :

71087014341. 1
71087014342. 2
71087014343. 3
71087014344. 4

Question Number : 47 Question Id : 7108703587 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Appearance of a dog suffering with ptosis can be improved by shortening

1. Frontalis muscle
2. Aponeurosis of frontalis muscle
3. Levator palpebrae muscle
4. Orbicularis oculi muscle

Options :

71087014345. 1
71087014346. 2
71087014347. 3
71087014348. 4

Question Number : 48 Question Id : 7108703588 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following is NOT an expiratory muscle?

1. External intercostal
2. Internal intercostal
3. Rectus abdominis
4. Diaphragm

Options :

71087014349. 1
71087014350. 2
71087014351. 3
71087014352. 4

Question Number : 49 Question Id : 7108703589 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Synthetic vascular grafts are best suited for

1. Large veins
2. Larger arteries
3. Small veins
4. Small arteries

Options :

71087014353. 1
71087014354. 2
71087014355. 3
71087014356. 4

Question Number : 50 Question Id : 7108703590 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The kidney in the ox has

1. 12-14 lobes
2. 15-16 lobes
3. 18-20 lobes
4. 22-24 lobes

Options :

71087014357. 1
71087014358. 2
71087014359. 3
71087014360. 4

Question Number : 51 Question Id : 7108703591 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Fiberoptic gastro duodenoscopy is a practical procedure in a sedated horse that has had no feed for

1. 1 to 5 hours
2. 6 to 8 hours
3. 12 to 24 hours
4. 9 to 11 hours

Options :

71087014361. 1
71087014362. 2
71087014363. 3
71087014364. 4

Question Number : 52 Question Id : 7108703592 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following viral diseases does NOT cause secondary abomasal ulceration in cattle?

1. Foot and Mouth disease
2. Rinderpest
3. Bovine virus diarrhoea
4. Bovine malignant catarrh

Options :

71087014365. 1
71087014366. 2
71087014367. 3
71087014368. 4

Question Number : 53 Question Id : 7108703593 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Aspiration pneumonia is the consistent lesion of crude oil poisoning in

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

Options :

71087014369. 1
71087014370. 2
71087014371. 3
71087014372. 4

Question Number : 54 Question Id : 7108703594 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Dermatitis due to sarcoptic mange is most important in

1. Cattle
2. Sheep and goat
3. Pigs
4. Dogs

Options :

71087014373. 1
71087014374. 2
71087014375. 3
71087014376. 4

Question Number : 55 Question Id : 7108703595 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In cobalt deficiency, one injection of B₁₂, 1.0 mg in lambs provides protection to lambs for a period of

1. 14 weeks
2. One week
3. Three weeks
4. One month

Options :

71087014377. 1
71087014378. 2
71087014379. 3
71087014380. 4

Question Number : 56 Question Id : 7108703596 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Amitraz is widely used in most-species but is prohibited in

1. Bovines
2. Caprines
3. Ovines
4. Equines

Options :

71087014381. 1
71087014382. 2
71087014383. 3
71087014384. 4

Question Number : 57 Question Id : 7108703597 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Bovine tropical theileriosis in India is caused by

1. *Theileria parva*
2. *Theileria mutans*
3. *Theileria annulata*
4. *Theileria lestoquardi*

Options :

71087014385. 1
71087014386. 2
71087014387. 3
71087014388. 4

Question Number : 58 Question Id : 7108703598 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Prevention of Cruelty to Animals Act was enacted in the year

1. 1947
2. 1957
3. 1960
4. 1955

Options :

71087014389. 1
71087014390. 2
71087014391. 3
71087014392. 4

Question Number : 59 Question Id : 7108703599 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which one of the following metabolic reactions does NOT occur in acute intestinal obstruction in cattle?

1. Hypochloremia
2. Hypokalemia
3. Metabolic alkalosis
4. Metabolic acidosis

Options :

71087014393. 1
71087014394. 2
71087014395. 3
71087014396. 4

Question Number : 60 Question Id : 7108703600 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which one of the following primary drugs is NOT used for elephant tuberculosis?

1. Isoniazid
2. Rifampin
3. Levofloxacin
4. Ceftiofur sodium

Options :

71087014397. 1

71087014398. 2

71087014399. 3

71087014400. 4

Question Number : 61 Question Id : 7108703601 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

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

List I	List II
A. Rabbits	I. 16 to 18 months, puberty age
B. Sheep	II. 3 to 4 months
C. Exotic cattle	III. 7 to 8 months
D. Horse	IV. 13 to 16 months for puberty

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

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

Options :

71087014401. 1

71087014402. 2

71087014403. 3

71087014404. 4

Question Number : 62 Question Id : 7108703602 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: Duration of estrus is longer in the mare than sow

Statement II: In farm animals, ovulation occurrence is followed by corpus luteum formation, and resulting in progesterone secretion

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

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

Options :

71087014405. 1
71087014406. 2
71087014407. 3
71087014408. 4

Question Number : 63 Question Id : 7108703603 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Identify the drawback of artificial insemination in farm animals

1. Genetic improvement is fast
2. Few thousand bulls can be multiplied
3. It is economical
4. Skilled trained manpower needed

Options :

71087014409. 1
71087014410. 2
71087014411. 3
71087014412. 4

Question Number : 64 Question Id : 7108703604 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The ejaculate of a normal male may contain a proportion of abnormal spermatozoa. The number of these will NOT depend upon

1. Age of the animal
2. Season of the year
3. Method of collection
4. Skill of the person, collecting semen

Options :

71087014413. 1
71087014414. 2
71087014415. 3
71087014416. 4

Question Number : 65 Question Id : 7108703605 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Comparative studies of cow and buffalo bull semen for chemical composition revealed that both are comparable in

1. Phosphatase activity
2. The absolute level of Na and P
3. Concentration of total reducing substances
4. Sialic acid concentration

Options :

71087014417. 1
71087014418. 2
71087014419. 3
71087014420. 4

Question Number : 66 Question Id : 7108703606 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

White heifer disease has which of the following signs and symptoms?

- A. Incompletely developed uterus
- B. Incompletely developed vagina
- C. Developed uterus and vagina
- D. Vulva and gonads are normal
- E. Gonads are normal, but uterus, vagina and vulva are incompletely developed

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

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

Options :

- 71087014421. 1
- 71087014422. 2
- 71087014423. 3
- 71087014424. 4

Question Number : 67 Question Id : 7108703607 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: Free martin is an infertile heifer born as co-twin with a female calf

Statement II: Free martin is an infertile heifer born as co-twin with a bull calf

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

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

Options :

- 71087014425. 1
- 71087014426. 2
- 71087014427. 3
- 71087014428. 4

Question Number : 68 Question Id : 7108703608 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: Incidence of cystic ovaries is high in exotic cows in India

Statement II: Nymphomaniac case may have animals with periods of intense heat at frequent intervals or permanent heat

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

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

Options :

71087014429. 1

71087014430. 2

71087014431. 3

71087014432. 4

Question Number : 69 Question Id : 7108703609 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

The degree of initial motility is empirically expressed as which one of the following?

1. Four plus [++++] denotes 40-60% spermatozoa with vigorous progressive movement
2. Three plus [+++] indicates 30-40% spermatozoa with vigorous progressive movement
3. Four plus [++++] denotes 60-80% spermatozoa with vigorous progressive movement as indicated by waves
4. One plus [+] indicates more than 30% spermatozoa with low progressive motion

Options :

71087014433. 1

71087014434. 2
71087014435. 3
71087014436. 4

Question Number : 70 Question Id : 7108703610 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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

List I	List II
A. FSH	I. Dulbecco's buffered saline
B. Morula	II. Cryoprotective agent
C. Glycerol	III. 32 cells
D. Uterine flushing	IV. Pluset

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

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

Options :

71087014437. 1
71087014438. 2
71087014439. 3
71087014440. 4

Part C Veterinary Gynaecology and Obstetrics Animal Reproduction

Section Id :

71087090

Section Number :

3

Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	50
Number of Questions to be attempted :	50
Section Marks :	200
Display Number Panel :	Yes
Group All Questions :	Yes
Mark As Answered Required? :	Yes
Sub-Section Number :	1
Sub-Section Id :	71087090
Question Shuffling Allowed :	Yes

Question Number : 71 Question Id : 7108703611 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

A female buffalo with a follicle diameter of 14 mm, as diagnosed through ultrasonography, was subjected to GnRH injection I/m with the intention of causing ovulation. However, the follicle failed to ovulate. The possible reason could be

1. Follicle is still in growth phase
2. Follicle is in static phase
3. Follicle is in atretic phase
4. Follicle size is inappropriate for ovulation

Options :

- 71087014441. 1
- 71087014442. 2
- 71087014443. 3
- 71087014444. 4

Question Number : 72 Question Id : 7108703612 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

The introduction of a buck in a flock of goat results in

- A. More synchronised ovulation
- B. Decreased percentage of animals in estrus
- C. Increased percentage of animals in estrus
- D. Decreased kidding rate

Select the most appropriate answer from the options given below:

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

Options :

71087014445. 1

71087014446. 2

71087014447. 3

71087014448. 4

Question Number : 73 Question Id : 7108703613 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

A case of dystocia in a pluriparous cow was presented with the history of full-term gestation and rupture of water bag with intestine hanging from the vulva. The case was not attended to by anyone. The reason for this condition could be

1. Uterine rupture
2. Schistosomus reflexus
3. Perosomus elumbis
4. Hypoglobus fetus

Options :

71087014449. 1
71087014450. 2
71087014451. 3
71087014452. 4

Question Number : 74 Question Id : 7108703614 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

A buffalo with a full-term gestation frequently showed, forceful straining, however, no signs of approaching parturition were observed. The condition could be due to

1. Uterine torsion
2. Primary uterine inertia
3. Incomplete cervical dilation
4. Mummification

Options :

71087014453. 1
71087014454. 2
71087014455. 3
71087014456. 4

Question Number : 75 Question Id : 7108703615 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In pelvimetry, longitudinal axis of fetus indicates

1. Presentation of fetus only
2. Position of fetus only
3. Posture of fetus only
4. Normal pathway of fetus during parturition

Options :

71087014457. 1
71087014458. 2
71087014459. 3
71087014460. 4

Question Number : 76 Question Id : 7108703616 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In a case of bovine dystocia, vaginal examination revealed the presence of fetus in a posterior longitudinal presentation in lumbosacral position and bilateral hock flexion. The condition of dystocia is said to be

1. Foot - nape
2. Breech
3. Head brisket
4. Poll

Options :

71087014461. 1
71087014462. 2
71087014463. 3
71087014464. 4

Question Number : 77 Question Id : 7108703617 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In which one of the following conditions of bovine dystocia, partial threading of fetotome is required?

1. Engaged fetal head
2. Extended fore limbs of an overage fetus
3. Unilateral carpal flexion
4. Disengaged fetal head

Options :

- 71087014465. 1
- 71087014466. 2
- 71087014467. 3
- 71087014468. 4

Question Number : 78 Question Id : 7108703618 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Anti-Müllerian hormone (AMH) is the secretion of

1. Sertoli cells in fetal testes
2. Leydig cells in fetal testes
3. Theca cells in fetal ovaries
4. Granulosa cells in fetal ovaries

Options :

- 71087014469. 1
- 71087014470. 2
- 71087014471. 3
- 71087014472. 4

Question Number : 79 Question Id : 7108703619 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In breeding soundness examination of bull, if the angle of tarsal is high (greater), it will give rise to the condition of

1. Post leg
2. Sickie hock
3. Toe-in
4. Corkscrew

Options :

- 71087014473. 1
- 71087014474. 2
- 71087014475. 3
- 71087014476. 4

Question Number : 80 Question Id : 7108703620 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

The best use of cryopreserved bull semen during artificial insemination is to place the semen in

1. Mid cervix
2. Body of uterus
3. Uterine horn
4. Vagina

Options :

- 71087014477. 1
- 71087014478. 2
- 71087014479. 3
- 71087014480. 4

Question Number : 81 Question Id : 7108703621 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The universally adopted thawing temperature for cryopreserved bull semen is

1. 20 °C for 30 seconds
2. 30 °C for 40 seconds
3. 37 °C for 40 seconds
4. 40 °C for 60 seconds

Options :

71087014481. 1
71087014482. 2
71087014483. 3
71087014484. 4

Question Number : 82 Question Id : 7108703622 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The characteristic feature of mare oviduct is that it allows only a fertilized egg to pass through it. This feature is being controlled by

1. Infundibulum - ampullary junction
2. Utero - tubal junction
3. Ampullary - isthamic junction
4. Fimbriae only

Options :

71087014485. 1
71087014486. 2
71087014487. 3
71087014488. 4

Question Number : 83 Question Id : 7108703623 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The epididymal transit time of spermatozoa in the bull is

1. 9 days
2. 12 days
3. 14 days
4. 18 days

Options :

71087014489. 1
71087014490. 2
71087014491. 3
71087014492. 4

Question Number : 84 Question Id : 7108703624 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following hormones lacks two polypeptide chains?

1. FSH
2. LH
3. Inhibin
4. Prolactin

Options :

71087014493. 1
71087014494. 2
71087014495. 3
71087014496. 4

Question Number : 85 Question Id : 7108703625 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The 21 carbon atom structure is represented by

1. Cholesterol
2. Progesterone
3. Androgen
4. Estrogen

Options :

71087014497. 1

71087014498. 2

71087014499. 3

71087014500. 4

Question Number : 86 Question Id : 7108703626 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which is the best treatment for ROP in a cow

- A. Antibiotics and sedatives
- B. Antibiotics and corticosteroids
- C. Antihistamines and ecbolics
- D. Manual removal only

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

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

Options :

71087014501. 1

71087014502. 2

71087014503. 3

71087014504. 4

Question Number : 87 Question Id : 7108703627 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

In the ovsynch program of synchronization, the concept of giving second GnRH injection is to

1. Initiate new follicular wave
2. Ovulate the dominant follicle
3. Luteinize the dominant follicle
4. Cause persistency of follicle

Options :

71087014505. 1

71087014506. 2

71087014507. 3

71087014508. 4

Question Number : 88 Question Id : 7108703628 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

HOST is indicative of

1. Acrosomal integrity
2. Capacitation status
3. Plasma membrane integrity of sperm
4. Sperm DNA fragmentation

Options :

71087014509. 1

71087014510. 2

71087014511. 3

71087014512. 4

Question Number : 89 Question Id : 7108703629 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

During cryopreservation of bull semen, maximum damage to sperm cells occurs in the temperature range of

1. 35 °C to 14 °C
2. 4 °C to 0 °C
3. 4 °C to -5 °C
4. -5 °C to -10 °C

Options :

71087014513. 1
71087014514. 2
71087014515. 3
71087014516. 4

Question Number : 90 Question Id : 7108703630 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Insufficient thawing time (Duration) may have a harmful effect on sperm cells by virtue of

- A. Lower efflux of glycerol
- B. Swelling of sperm cells
- C. Lysis of sperm cells

Select the most appropriate answer from the following:

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

Options :

- 71087014517. 1
- 71087014518. 2
- 71087014519. 3
- 71087014520. 4

Question Number : 91 Question Id : 7108703631 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The probable reasons for low conception with sex sorted bovine semen is

- 1. Lower concentration of sperm cells per semen dose
- 2. Lower survivability of sperm cells in the female reproductive tract
- 3. Larger number of ultrastructural damage to sperm cells
- 4. Hypermobility of sperm cells

Options :

- 71087014521. 1
- 71087014522. 2
- 71087014523. 3

71087014524. 4

Question Number : 92 Question Id : 7108703632 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

As per the Minimum Standard Protocol (MSP) for production of bovine semen in India, a bull should be free from which of the following diseases?

1. Brucellosis, Vibriosis, Trichomoniasis, TB, JD, IBR
2. Brucellosis, Vibriosis, BVD, TB, JD, Leptospirosis
3. Brucellosis, Trichomoniasis, BVD, Leptospirosis, JD, IBR
4. Brucellosis, IBR, BVD, TB, JD, FMD

Options :

71087014525. 1
71087014526. 2
71087014527. 3
71087014528. 4

Question Number : 93 Question Id : 7108703633 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

The non-specific character of *Pisum sativum* agglutinin dye in staining of damaged acrosome has been overcome by the use of more specific dye known as

1. JC - 1
2. SYBR - 14
3. *Arachis hypogaea*
4. Rhodamine 123

Options :

71087014529. 1
71087014530. 2

71087014531. 3

71087014532. 4

Question Number : 94 Question Id : 7108703634 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following **embryo stages** is difficult to handle in the laboratory?

1. Blastocyst
2. Early blastocyst
3. Hatched blastocyst
4. Compact morula

Options :

71087014533. 1

71087014534. 2

71087014535. 3

71087014536. 4

Question Number : 95 Question Id : 7108703635 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following is NOT a Zwitterionic buffer?

1. TES
2. Tris hydroxymethyl aminomethane
3. Phosphate buffer
4. HEPES

Options :

71087014537. 1

71087014538. 2

71087014539. 3

71087014540. 4

Question Number : 96 Question Id : 7108703636 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

The International Embryo Transfer Society (IETS) has assigned colour of straw & the canister for storing those embryos which are to be transferred directly. The color assigned for 'direct transfer' straw is

1. Blue
2. Green
3. Yellow
4. Red

Options :

71087014541. 1
71087014542. 2
71087014543. 3
71087014544. 4

Question Number : 97 Question Id : 7108703637 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

While synchronizing recipient in bovine ETT in relation to a donor, the recipient must be synchronized

1. A day prior to donor estrus
2. On the day of donor estrus
3. Two days prior to donor estrus
4. A day after the donor estrus

Options :

71087014545. 1
71087014546. 2
71087014547. 3

71087014548. 4

Question Number : 98 Question Id : 7108703638 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

The pH of most of the bovine *in vitro* Production (IVP) media is in the range of

1. 7.3 - 7.4
2. 7.8 - 7.9
3. 6.5 - 6.9
4. 8.0 - 8.2

Options :

71087014549. 1
71087014550. 2
71087014551. 3
71087014552. 4

Question Number : 99 Question Id : 7108703639 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which of the following atmospheric conditions is most appropriate for *in vitro* development of bovine embryos?

1. 30% O₂ and 70% N₂
2. 10% CO₂ and 90% N₂
3. 5% CO₂ , 5% O₂ & 90% N₂
4. 5% CO₂ , 10% O₂ & 85% N₂

Options :

71087014553. 1
71087014554. 2
71087014555. 3

71087014556. 4

Question Number : 100 Question Id : 7108703640 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following is NOT a ROS for mammalian spermatozoa?

1. Superoxide
2. Superoxide dismutase
3. Hydrogen peroxide
4. Nitric oxide

Options :

71087014557. 1

71087014558. 2

71087014559. 3

71087014560. 4

Question Number : 101 Question Id : 7108703641 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

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

List I	List II
A. Follicular cyst	I. PG F ₂ α
B. Luteal cyst	II. Balance diet fortified with MM
C. True anestrus	III. GnRH
D. Silent estrus	IV. CIDR implants

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

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

Options :

71087014561. 1

71087014562. 2

71087014563. 3

71087014564. 4

Question Number : 102 Question Id : 7108703642 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

For evaluating the herd fertility of a dairy farm, the best parameter will be

1. Calving to conception interval
2. Days open
3. Calving index
4. Submission rate

Options :

71087014565. 1

71087014566. 2

71087014567. 3

71087014568. 4

Question Number : 103 Question Id : 7108703643 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

The size of normal ovulatory follicle in a thorough bred mare is

1. 20 - 25 mm
2. 30 - 35 mm
3. 40 - 50 mm
4. 90 - 95 mm

Options :

71087014569. 1
71087014570. 2
71087014571. 3
71087014572. 4

Question Number : 104 Question Id : 7108703644 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

In order to reduce the percentage of stillbirth in sow, one of the effective treatments will be

1. Cloprostenol
2. Carazolol
3. Diethylstilbestrol
4. Clenbuterol hydrochloride

Options :

71087014573. 1
71087014574. 2
71087014575. 3
71087014576. 4

Question Number : 105 Question Id : 7108703645 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Mummification due to SMEDI virus is related to

1. Cow
2. Mare
3. Bitch
4. Sow

Options :

71087014577. 1
71087014578. 2
71087014579. 3
71087014580. 4

Question Number : 106 Question Id : 7108703646 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Estrus synchronization in goats can be done using progestogens. Which one of the following is NOT a progestogen?

1. Melengestrol acetate
2. Flurogestone acetate
3. Methyl acetoxypregesterone
4. Valethamate bromide

Options :

71087014581. 1
71087014582. 2
71087014583. 3
71087014584. 4

Question Number : 107 Question Id : 7108703647 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

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

List I	List II
A. Blood progesterone	I. Pregnancy detection in dairy animals
B. Relaxin	II. Pregnancy detection in wild cats
C. Faecal progesterone	III. Pregnancy detection in humans
D. hCG	IV. Pregnancy detection in bitches

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

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

Options :

71087014585. 1

71087014586. 2

71087014587. 3

71087014588. 4

Question Number : 108 Question Id : 7108703648 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is

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

Correct Marks : 4 Wrong Marks : 1

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

List I	List II
A. Antibiotic	I. Cabergoline
B. Antiprogesterone	II. RU486
C. Antiprolactin	III. <i>E. Coli</i> LPS
D. Immunomodulator	IV. Amoxicillin

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

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

Options :

71087014589. 1

71087014590. 2

71087014591. 3

71087014592. 4

Question Number : 109 Question Id : 7108703649 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In the exfoliative vaginal cytology of bitch, PMN cells will appear maximally during

1. Proestrus period
2. Estrus period
3. Metestrus / Diestrus period
4. Anestrus period

Options :

71087014593. 1

71087014594. 2

71087014595. 3

71087014596. 4

Question Number : 110 Question Id : 7108703650 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

To achieve optimum success during AI in cattle & buffalo, which of the following are considered to be most important factors.

- A. Thawing of semen only
- B. Time of AI and site of insemination
- C. Time of estrus in animal and thawing of semen
- D. Time of AI and thawing of semen
- E. Cervical mucus fern pattern and environmental

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

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

Options :

- 71087014597. 1
- 71087014598. 2
- 71087014599. 3
- 71087014600. 4

Question Number : 111 Question Id : 7108703651 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In bitches, termination of pregnancy between 25 - 30 days of gestation will be effectively possible with

1. Cabergoline
2. Diethylstilbestrol
3. Cloprostenol
4. Dinoprost tromethamine

Options :

71087014601. 1
71087014602. 2
71087014603. 3
71087014604. 4

Question Number : 112 Question Id : 7108703652 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

The event of protein phosphorylation of the sperm cells reflects

1. Capacitation
2. Acrosomal reaction
3. Fertilization
4. Development of spermatogonia

Options :

71087014605. 1
71087014606. 2
71087014607. 3
71087014608. 4

Question Number : 113 Question Id : 7108703653 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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

List I	List II
A. Eosin & Nigrosin	I. Uncapacitated spermatozoa
B. CTC	II. Live and dead spermatozoa
C. Methylene blue	III. Acrosomal integrity
D. Giemsa	IV. Reduction test

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

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

Options :

71087014609. 1

71087014610. 2

71087014611. 3

71087014612. 4

Question Number : 114 Question Id : 7108703654 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is

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

Correct Marks : 4 Wrong Marks : 1

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

List I	List II
A. Theca cells	I. Progesterone
B. Leydig cells	II. Estradiol
C. Sertoli cells	III. Testosterone
D. Granulosa cells	IV. Androgen Binding Protein

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

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

Options :

71087014613. 1
71087014614. 2
71087014615. 3
71087014616. 4

Question Number : 115 Question Id : 7108703655 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following hormones will be the lowest in a dominant follicle?

1. IGF - 1
2. IGF - 2
3. Inhibin
4. IGFBP

Options :

71087014617. 1
71087014618. 2
71087014619. 3

71087014620. 4

Question Number : 116 Question Id : 7108703656 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which of the following represents a correct sequence for stating follicular wave in the ovary?

1. Recruitment > Selection > Dominance
2. Selection > Recruitment > Dominance
3. Selection > Dominance > Recruitment
4. Dominance > Selection > Recruitment

Options :

71087014621. 1
71087014622. 2
71087014623. 3
71087014624. 4

Question Number : 117 Question Id : 7108703657 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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

List I	List II
A. Immunomodulator	I. Estrus urine
B. Pheromones	II. Blood plasma
C. Anti-inflammatory	III. Meloxicam
D. MRP	IV. Interferon-tau

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

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

Options :

71087014625. 1

71087014626. 2

71087014627. 3

71087014628. 4

Question Number : 118 Question Id : 7108703658 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

A cow became recumbent while attempting to deliver an oversize fetus (assisted delivery). The animal is showing 'splayed leg' condition. These symptoms are indicative for

1. Obturator nerve paralysis
2. Gluteal nerve paralysis
3. Puerperal tetany
4. Post partum hypocalcemia

Options :

71087014629. 1

71087014630. 2

71087014631. 3

71087014632. 4

Question Number : 119 Question Id : 7108703659 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Proper tone and appositioning of vulva in a cow is indicative of

1. Pneumovagina
2. Urovagina
3. Vaginitis
4. Normal healthy vagina

Options :

71087014633. 1

71087014634. 2

71087014635. 3

71087014636. 4

Question Number : 120 Question Id : 7108703660 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

The conversion of placental progesterone to estrogen is activated by which enzyme?

1. Esterases
2. 17- α - hydroxylase
3. Phospholipase
4. Prostaglandin synthetase

Options :

71087014637. 1

71087014638. 2

71087014639. 3

