

# National Testing Agency

<b>Question Paper Name :</b>	Veterinary Anatomy and Histology 17th September Shift 2
<b>Subject Name :</b>	Veterinary Anatomy and Histology
<b>Creation Date :</b>	2021-09-17 18:54:34
<b>Duration :</b>	120
<b>Total Marks :</b>	480
<b>Display Marks:</b>	Yes

## Veterinary Anatomy and Histology

<b>Group Number :</b>	1
<b>Group Id :</b>	190889104
<b>Group Maximum Duration :</b>	0
<b>Group Minimum Duration :</b>	120
<b>Show Attended Group? :</b>	No
<b>Edit Attended Group? :</b>	No
<b>Break time :</b>	0
<b>Group Marks :</b>	480
<b>Is this Group for Examiner? :</b>	No

## Part A: General Knowledge

<b>Section Id :</b>	190889236
<b>Section Number :</b>	1
<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory

<b>Number of Questions :</b>	20
<b>Number of Questions to be attempted :</b>	20
<b>Section Marks :</b>	80
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	190889276
<b>Question Shuffling Allowed :</b>	Yes

**Question Number : 1 Question Id : 19088911782 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1**

Which of the following is the device used to measure the power and speed of the wind?

1. Avometer
2. Anemometer
3. Airometer
4. Aviontimeter

**Options :**

19088947021. 1

19088947022. 2

19088947023. 3

19088947024. 4

**Question Number : 2 Question Id : 19088911783 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1**

Optical fibre used the concept of which of the following?

1. Reflection
2. Refraction
3. Total internal reflection
4. Total internal refraction

**Options :**

- 19088947025. 1
- 19088947026. 2
- 19088947027. 3
- 19088947028. 4

**Question Number : 3 Question Id : 19088911784 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

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

Yellow vein mosaic is the viral disease of which of the following plants?

- 1. Ladyfinger
- 2. Papaya
- 3. Sugarcane
- 4. Banana

**Options :**

- 19088947029. 1
- 19088947030. 2
- 19088947031. 3
- 19088947032. 4

**Question Number : 4 Question Id : 19088911785 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

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

Which of the following organ(s) is affected by Mumps disease?

- 1. Entire body
- 2. Skin
- 3. Eye
- 4. Parotid

**Options :**

- 19088947033. 1
- 19088947034. 2
- 19088947035. 3

19088947036. 4

**Question Number : 5 Question Id : 19088911786 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

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

Which of the following is the chemical name of vitamin B<sub>2</sub>?

1. Riboflavin
2. Calciferol
3. Pyridoxin
4. Niacin

**Options :**

19088947037. 1

19088947038. 2

19088947039. 3

19088947040. 4

**Question Number : 6 Question Id : 19088911787 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

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

Which of the following is not the input unit of the computer?

1. Mouse
2. Keyboard
3. Screen
4. Scanner

**Options :**

19088947041. 1

19088947042. 2

19088947043. 3

19088947044. 4

**Question Number : 7 Question Id : 19088911788 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

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

The digital computer operates on which of the following principle?

1. Measurement
2. Calculation
3. Logical
4. Electrification

**Options :**

19088947045. 1

19088947046. 2

19088947047. 3

19088947048. 4

**Question Number : 8 Question Id : 19088911789 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

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

The non-cooperation movement of Gandhiji was launched in which of the following year?

1. 1915
2. 1922
3. 1920
4. 1930

**Options :**

19088947049. 1

19088947050. 2

19088947051. 3

19088947052. 4

**Question Number : 9 Question Id : 19088911790 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

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

An Islamic revivalist movement named Wahabi movement was founded by which of the following person?

1. Sian Saheb
2. Syed Ahmed
3. Haji Shariat-Allah
4. DaduMian

**Options :**

19088947053. 1

19088947054. 2

19088947055. 3

19088947056. 4

**Question Number : 10 Question Id : 19088911791 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Which of the following is considered as the “Magna Carta of England Education in India”?

1. Hunter education commission
2. Lord Macaulay’s Minute
3. Wood’s Despatch
4. Thomas Babington Macaulay

**Options :**

19088947057. 1

19088947058. 2

19088947059. 3

19088947060. 4

**Question Number : 11 Question Id : 19088911792 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Which of the following nutrient does not come under the ambit of 'macro-nutrients in Soil Health Card?

1. Nitrogen
2. Zinc
3. Phosphorous
4. Potassium

**Options :**

19088947061. 1

19088947062. 2

19088947063. 3

19088947064. 4

**Question Number : 12 Question Id : 19088911793 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Cole crops, root crops and legumes come under the ambit of which of the following?

1. Olericulture
2. Pomology
3. Viticulture
4. Arboriculture

**Options :**

19088947065. 1

19088947066. 2

19088947067. 3

19088947068. 4

**Question Number : 13 Question Id : 19088911794 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

The study of individual trees, shrubs, vines, and perennial woody plants is known as which of the following?

1. Turf management
2. Arboriculture
3. Pomology
4. Viticulture

**Options :**

19088947069. 1

19088947070. 2

19088947071. 3

19088947072. 4

**Question Number : 14 Question Id : 19088911795 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

The ministry is implementing MIDH (Mission for Integrated Development of Horticulture) with effect from which of the following year?

1. 2012-13
2. 2019-20
3. 2015-16
4. 2014-15

**Options :**

19088947073. 1

19088947074. 2

19088947075. 3

19088947076. 4

**Question Number : 15 Question Id : 19088911796 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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



The interaction of soils with living things, particularly plants are well known as which of the following?

1. Edaphology
2. Pedology
3. Soil zoology
4. Pedogenesis

**Options :**

19088947077. 1

19088947078. 2

19088947079. 3

19088947080. 4

**Question Number : 16 Question Id : 19088911797 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Which of the following systems has also incorporated social aspects in itself?

1. Landscaping
2. Permaculture
3. Horticulture
4. Forest gardening

**Options :**

19088947081. 1

19088947082. 2

19088947083. 3

19088947084. 4

**Question Number : 17 Question Id : 19088911798 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

What do you term the phenomenon whereby the specific gene is added to the plant for producing a desirable phenotype?

1. Genetic manipulation
2. Genetic recombination
3. Genetic modification
4. Genetic hybridisation

**Options :**

19088947085. 1

19088947086. 2

19088947087. 3

19088947088. 4

**Question Number : 18 Question Id : 19088911799 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

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

What is the focus of the participatory plant breeding program?

1. Scientists
2. Plants
3. Environment
4. Farmers

**Options :**

19088947089. 1

19088947090. 2

19088947091. 3

19088947092. 4

**Question Number : 19 Question Id : 19088911800 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

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

How do you term the form of agriculture, in which, industrialized production of crops and animal products takes place?

1. Manufactured agriculture
2. Modern agriculture
3. Industrial agriculture
4. Mechanistic agriculture

**Options :**

19088947093. 1

19088947094. 2

19088947095. 3

19088947096. 4

**Question Number : 20 Question Id : 19088911801 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Micro-irrigation fund of Rs. 5.000 crore has been placed with which of the following organization?

1. NABARD
2. IDBI
3. SBI
4. RRBs

**Options :**

19088947097. 1

19088947098. 2

19088947099. 3

19088947100. 4

## **Part B Core : Veterinary and Animal Sciences-III**

**Section Id :** 190889237

**Section Number :** 2

**Section type :** Online

<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	50
<b>Number of Questions to be attempted :</b>	50
<b>Section Marks :</b>	200
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	190889277
<b>Question Shuffling Allowed :</b>	Yes

**Question Number : 21 Question Id : 19088911802 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

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

Taenia and Havstra are observed in large intestine of

- |         |           |
|---------|-----------|
| (1) Ox  | (2) Horse |
| (3) Dog | (4) Fowl  |

**Options :**

19088947101. 1

19088947102. 2

19088947103. 3

19088947104. 4

**Question Number : 22 Question Id : 19088911803 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

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

Descent of testis is guided by

- |                         |                 |
|-------------------------|-----------------|
| (1) Spermatic cord      | (2) Rete testis |
| (3) Gubernaculum testis | (4) Epididymis  |

**Options :**

19088947105. 1

19088947106. 2

19088947107. 3

19088947108. 4

**Question Number : 23 Question Id : 19088911804 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

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

The cranial bones are

- (A) Frontal
- (B) Spheroid
- (C) Ethmoid
- (D) Mandible

Choose the correct answer from the options given below :

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

**Options :**

19088947109. 1

19088947110. 2

19088947111. 3

19088947112. 4

**Question Number : 24 Question Id : 19088911805 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

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

The most abundant connective tissue / fiber in animal body is

- (1) Elastic fiber
- (2) Collagen fiber
- (3) Reticular fiber
- (4) Nerve fiber

**Options :**

19088947113. 1

19088947114. 2

19088947115. 3

19088947116. 4

**Question Number : 25 Question Id : 19088911806 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

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

The shallow articular depression is known as

(1) Fossa

(2) Fovea

(3) Glenoid cavity

(4) Cotyloid cavity

**Options :**

19088947117. 1

19088947118. 2

19088947119. 3

19088947120. 4

**Question Number : 26 Question Id : 19088911807 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

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

The distance between two Z-lines is known as

(1) H-band

(2) Sarcolemma

(3) Sarcomere

(4) Sarcoplasm

**Options :**

19088947121. 1

19088947122. 2

19088947123. 3

19088947124. 4

**Question Number : 27 Question Id : 19088911808 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Adrenal medulla develops from

- |                           |              |
|---------------------------|--------------|
| (1) Ectoderm              | (2) Mesoderm |
| (3) Intermediate mesoderm | (4) Endoderm |

**Options :**

19088947125. 1

19088947126. 2

19088947127. 3

19088947128. 4

**Question Number : 28 Question Id : 19088911809 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

The fold of mucous membrane that attaches ventral aspect of tongue with floor of mouth cavity is

- |                            |                     |
|----------------------------|---------------------|
| (1) Frenum labii           | (2) Feronum linguae |
| (3) Caruncula sublingualis | (4) Torus lingae    |

**Options :**

19088947129. 1

19088947130. 2

19088947131. 3

19088947132. 4

**Question Number : 29 Question Id : 19088911810 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Bruner's gland is observed in

- |                          |                           |
|--------------------------|---------------------------|
| (1) Mucosa of oesophagus | (2) Submucosa of duodenum |
| (3) Mucosa of Jejunum    | (4) Submucosa of Ileum    |

**Options :**

19088947133. 1

19088947134. 2

19088947135. 3

19088947136. 4

**Question Number : 30 Question Id : 19088911811 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Polar bodies are formed during the process of

- |                    |                  |
|--------------------|------------------|
| (1) Spermiogenesis | (2) Oogenesis    |
| (3) Syngomy        | (4) Implantation |

**Options :**

19088947137. 1

19088947138. 2

19088947139. 3

19088947140. 4

**Question Number : 31 Question Id : 19088911812 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

The disease that spreads rapidly over large geographical area is called as

- |               |              |
|---------------|--------------|
| (1) Pandemic  | (2) Epidemic |
| (3) Epizootic | (4) Sporadic |

**Options :**



19088947141. 1

19088947142. 2

19088947143. 3

19088947144. 4

**Question Number : 32 Question Id : 19088911813 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

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

Which of the following is invasive endoscopy?

(1) Rhinoscopy

(2) Otoscopy

(3) Laperoscopy

(4) Laryngeoscopy

**Options :**

19088947145. 1

19088947146. 2

19088947147. 3

19088947148. 4

**Question Number : 33 Question Id : 19088911814 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

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

Death in tymphany is due to

(1) Respiratory failure

(2) Choke

(3) Cardiac failure

(4) Haemorrhage

**Options :**

19088947149. 1

19088947150. 2

19088947151. 3

19088947152. 4

**Question Number : 34 Question Id : 19088911815 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Which one of the following is not distinct clinical sign of right side heart failure?

- |                          |              |
|--------------------------|--------------|
| (1) Ascities             | (2) Anasarca |
| (3) Exercise intolerance | (4) Dyspnea  |

**Options :**

19088947153. 1

19088947154. 2

19088947155. 3

19088947156. 4

**Question Number : 35 Question Id : 19088911816 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Big head disease is more commonly encountered in

- |             |            |
|-------------|------------|
| (1) Caprine | (2) Equine |
| (3) Bovine  | (4) Canine |

**Options :**

19088947157. 1

19088947158. 2

19088947159. 3

19088947160. 4

**Question Number : 36 Question Id : 19088911817 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Gastric lavage in poisoning is useless if attempted after

- (1) 5-10 min (2) 10-20 min  
(3) 20-30 min (4) After 01 hrs

**Options :**

19088947161. 1  
19088947162. 2  
19088947163. 3  
19088947164. 4

**Question Number : 37 Question Id : 19088911818 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

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

“Forest band” on ultrasonogram of kidney is seen in

- (1) Leptospirosis (2) Listeriosis  
(3) Corynebacterium tetany (4) Erysipalothrix infection

**Options :**

19088947165. 1  
19088947166. 2  
19088947167. 3  
19088947168. 4

**Question Number : 38 Question Id : 19088911819 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

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

Soundless bellowing in rabies is seen in

- (1) Equine (2) Cattle  
(3) Canine (4) Feline

**Options :**

19088947169. 1

19088947170. 2

19088947171. 3

19088947172. 4

**Question Number : 39 Question Id : 19088911820 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

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

Vaccination against MD in poultry is given on day

(1) Zero

(2) 15

(3) 30

(4) 21

**Options :**

19088947173. 1

19088947174. 2

19088947175. 3

19088947176. 4

**Question Number : 40 Question Id : 19088911821 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

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

Bishoping is punishable under IPC

(1) 428

(2) 429

(3) 420

(4) 377

**Options :**

19088947177. 1

19088947178. 2

19088947179. 3

19088947180. 4

**Question Number : 41 Question Id : 19088911822 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Branch of pharmacology deals with study of source, identification, characterization of drug candidate

- |                      |                      |
|----------------------|----------------------|
| (1) Pharmacokinetics | (2) Pharmacogenosy   |
| (3) Pharmacy         | (4) Pharmacodynamics |

**Options :**

19088947181. 1

19088947182. 2

19088947183. 3

19088947184. 4

**Question Number : 42 Question Id : 19088911823 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Non-narcotic antitussive agent

- |                    |                  |
|--------------------|------------------|
| (1) Codeine        | (2) Hydromorphan |
| (3) Dexamethorphan | (4) Morphine     |

**Options :**

19088947185. 1

19088947186. 2

19088947187. 3

19088947188. 4

**Question Number : 43 Question Id : 19088911824 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Myasthenia gravis occur due to

- |                            |                                     |
|----------------------------|-------------------------------------|
| (1) Auto immune disorder   | (2) Excess release of Acetylcholine |
| (3) Deficiency of dopamine | (4) Excess of serotonin             |

**Options :**

19088947189. 1

19088947190. 2

19088947191. 3

19088947192. 4

**Question Number : 44 Question Id : 19088911825 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Cardiac glycosides interact with

- |  |   |
|--|---|
| (1) $\text{Na}^+\text{Cl}^-$ cotransporter | (2) $\text{Na}^+\text{Ca}^{+2}$ transporter |
| (3) $\text{H}^+$ ATPase                    | (4) $\text{Na}^+\text{K}^+$ ATPase          |

**Options :**

19088947193. 1

19088947194. 2

19088947195. 3

19088947196. 4

**Question Number : 45 Question Id : 19088911826 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Which of the following agent is prokinetic agent?

- |                    |                   |
|--------------------|-------------------|
| (1) Metaclopramide | (2) Loperamide    |
| (3) Domperidone    | (4) Diphenoxylate |

**Options :**

19088947197. 1

19088947198. 2

19088947199. 3

19088947200. 4

**Question Number : 46 Question Id : 19088911827 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

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

Hyper oxygenated blood and tissue hypoxia seen during toxicity of

(1) Cyanogenetic glycosides

(2) Nitrate / Nitrite

(3) NPN / Urea

(4) Oxylate poisoning

**Options :**

19088947201. 1

19088947202. 2

19088947203. 3

19088947204. 4

**Question Number : 47 Question Id : 19088911828 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

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

Gum metal kidney and pulpy spleen seen in poisoning of

(1) Molybdenum

(2) Copper

(3) Selenium

(4) Arsenic

**Options :**

19088947205. 1

19088947206. 2

19088947207. 3

19088947208. 4

**Question Number : 48 Question Id : 19088911829 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Quantitative effect produced by the drug is studied under

- |                      |                      |
|----------------------|----------------------|
| (1) Pharmacodynamics | (2) Pharmacokinetics |
| (3) Pharmacy         | (4) Pharmacometrics  |

**Options :**

19088947209. 1

19088947210. 2

19088947211. 3

19088947212. 4

**Question Number : 49 Question Id : 19088911830 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Interaction of BAL with arsenic is a type of

- |                              |                                |
|------------------------------|--------------------------------|
| (1) Physiological antagonism | (2) Physical antagonism        |
| (3) Chemical antagonism      | (4) Pharmacological antagonism |

**Options :**

19088947213. 1

19088947214. 2

19088947215. 3

19088947216. 4

**Question Number : 50 Question Id : 19088911831 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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



Father of Indian Pharmacology

- |                        |                       |
|------------------------|-----------------------|
| (1) Prof. B.K. Roy     | (2) Cont. R.N. Chopra |
| (3) Prof. J.N. Langley | (4) Prof. R.C. Gupta  |

**Options :**

- 19088947217. 1
- 19088947218. 2
- 19088947219. 3
- 19088947220. 4

**Question Number : 51 Question Id : 19088911832 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

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

Sequence of events taking place during post parturation period

- (1) Involution of uterus – Endometrial regeneration – Bacterial Elimination – Onset of Ovarian cyclicity
- (2) Involution – Bacterial Elimination – Ovarian rebound – Endometrial regeneration
- (3) Endometrial regeneration – Uterine involution – Ovarian cyclicity – Bacterial Elimination
- (4) Involution of uterus and cervix – Endometrial regeneration – ovarian rebound – Bacterial Elimination

**Options :**

- 19088947221. 1
- 19088947222. 2
- 19088947223. 3
- 19088947224. 4

**Question Number : 52 Question Id : 19088911833 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

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

Steroid hormones contain carbon molecules

- (A) Estrogen is a 19 carbon steroid
- (B) Progesterone is a 21 carbon steroid
- (C) Testosterone is a 18 carbon steroid
- (D) Estrogen is a 18 carbon steroid
- (E) Testosterone is a 19 carbon steroid

Choose the correct answer from the options given below :

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

**Options :**

19088947225. 1

19088947226. 2

19088947227. 3

19088947228. 4

**Question Number : 53 Question Id : 19088911834 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Which of the following is secretion from seminal vesicle except

- (1) Fructose
- (2) Inositol
- (3) Glycerolphosphoryl choline
- (4) Ergothioneine

**Options :**

19088947229. 1

19088947230. 2

19088947231. 3

19088947232. 4

**Question Number : 54 Question Id : 19088911835 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Which of the following statement is true for ovulation process in farm animals?

- (1) Ovulation takes place 24-30 hrs after LH surge in cows
- (2) Ovulation takes place 10-11 hrs after end of estrus
- (3) Ovulation takes place 30-46 hrs after LH surge in cows
- (4) Ovulation occurs 10-11 hours after onset of estrus

**Options :**

19088947233. 1

19088947234. 2

19088947235. 3

19088947236. 4

**Question Number : 55 Question Id : 19088911836 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Hydroallantois is due to malformation of

- (1) Fetus
- (2) Placenta
- (3) Vascular anastomosis
- (4) Uterus

**Options :**

19088947237. 1

19088947238. 2

19088947239. 3

19088947240. 4

**Question Number : 56 Question Id : 19088911837 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Progesterone hormone concentration during estrus period is

- (1) Less than 3 ng/ml (2) Less than 1 ng/ml  
(3) Less than 1.5 ng/ml (4) Less than 0.5 pg/ml

**Options :**

19088947241. 1  
19088947242. 2  
19088947243. 3  
19088947244. 4

**Question Number : 57 Question Id : 19088911838 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

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

Given below are two statements :

Statement I : All antral follicles of size  $\geq 3$  mm contain meiotically competent oocytes.

Statement II : Antral follicles of size  $\geq 10$  mm contain meiotically competent oocytes.

In the 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 :**

19088947245. 1  
19088947246. 2  
19088947247. 3  
19088947248. 4

**Question Number : 58 Question Id : 19088911839 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Immunization against which hormone increases ovulation rate in ewes

- |               |               |
|---------------|---------------|
| (1) Melatonin | (2) Inhibin   |
| (3) Relaxin   | (4) Estradiol |

**Options :**

19088947249. 1

19088947250. 2

19088947251. 3

19088947252. 4

**Question Number : 59 Question Id : 19088911840 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Which of the following is not true for cystic ovarian disease?

- (1) Follicular cyst are pathological and anovulating in nature
- (2) Luteal cyst are pathological and anovulating in nature
- (3) Cystic corpus luteum is pathological and ovulatory in nature
- (4) PCL is associated with pathological condition of uterus

**Options :**

19088947253. 1

19088947254. 2

19088947255. 3

19088947256. 4

**Question Number : 60 Question Id : 19088911841 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Hormone used for pregnancy diagnosis in bitch is

- |               |                  |
|---------------|------------------|
| (1) Prolactin | (2) Progesterone |
| (3) Estrogen  | (4) Relaxin      |

**Options :**

- 19088947257. 1
- 19088947258. 2
- 19088947259. 3
- 19088947260. 4

**Question Number : 61 Question Id : 19088911842 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Catgut is obtained from the submucosa of small intestine of \_\_\_\_\_.

- |             |           |
|-------------|-----------|
| (1) Goat    | (2) Sheep |
| (3) Bovines | (4) Cat   |

**Options :**

- 19088947261. 1
- 19088947262. 2
- 19088947263. 3
- 19088947264. 4

**Question Number : 62 Question Id : 19088911843 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Which one of the following suture pattern is not applied on the skin?

- |                       |                            |
|-----------------------|----------------------------|
| (1) Cross-mattress    | (2) Horizontal mattress    |
| (3) Ford interlocking | (4) Cushing suture pattern |

**Options :**

- 19088947265. 1

19088947266. 2

19088947267. 3

19088947268. 4

**Question Number : 63 Question Id : 19088911844 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

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

Which one of the following anaesthetic agent is not injectable?

(1) Thiopental sodium

(2) Ketamine HCl

(3) Propofol

(4) Isoflurane

**Options :**

19088947269. 1

19088947270. 2

19088947271. 3

19088947272. 4

**Question Number : 64 Question Id : 19088911845 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

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

Match List I with List II

List I	List II
(A) CT number	(I) Nuclear Scintigraphy
(B) Tesla	(II) Computed Tonography
(C) $T_{c99m}$	(III) Computed Radiography
(D) PSP	(IV) MRI

Choose the correct answer from the options given below :

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

**Options :**

19088947273. 1

19088947274. 2

19088947275. 3

19088947276. 4

**Question Number : 65 Question Id : 19088911846 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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



Which one of the following is not a part of X-ray tube?

- (A) Cathode
- (B) Anode
- (C) Grid
- (D) Cassette

Choose the most appropriate answer from the options given below :

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

**Options :**

19088947277. 1

19088947278. 2

19088947279. 3

19088947280. 4

**Question Number : 66 Question Id : 19088911847 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

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

Which one of the following is not a part of developed solution?

- (A) Hydroquinone
- (B) Sodium bicarbonate
- (C) KBr
- (D)  $\text{NH}_4\text{Cl}$  (Ammonium Chloride)

Choose the most appropriate answer from the options given below :

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

**Options :**

- 19088947281. 1
- 19088947282. 2
- 19088947283. 3
- 19088947284. 4

**Question Number : 67 Question Id : 19088911848 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

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

Colle's fracture is seen in which of the following bone?

- (1) Humerus
- (2) Femur
- (3) Radius
- (4) Tibia

**Options :**

- 19088947285. 1
- 19088947286. 2
- 19088947287. 3
- 19088947288. 4

**Question Number : 68 Question Id : 19088911849 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

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

"Bunny hopping" gait is the characteristic clinical signs of \_\_\_\_\_.

- (1) Hip dysplasia
- (2) Elbow dysplasia
- (3) Cranial cruciate ligament rupture
- (4) Spondylosis dofomans

**Options :**

- 19088947289. 1
- 19088947290. 2
- 19088947291. 3
- 19088947292. 4

Question Number : 69 Question Id : 19088911850 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Inward rolling of eyelid margin which rubs the cornea is called

- |                |                   |
|----------------|-------------------|
| (1) Entropion  | (2) Ectropion     |
| (3) Cherry eye | (4) Blepharospasm |

Options :

19088947293. 1

19088947294. 2

19088947295. 3

19088947296. 4

Question Number : 70 Question Id : 19088911851 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In upward fixation of patella, in cattle, which of the following ligament is to be cut to correct the condition?

- |                               |                              |
|-------------------------------|------------------------------|
| (1) Lateral patellar ligament | (2) Medial patellar ligament |
| (3) Middle patellar ligament  | (4) Collateral ligament      |

Options :

19088947297. 1

19088947298. 2

19088947299. 3

19088947300. 4

## Part C : Veterinary Anatomy and Histology

Section Id : 190889238

Section Number : 3

Section type : Online

<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	50
<b>Number of Questions to be attempted :</b>	50
<b>Section Marks :</b>	200
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	190889278
<b>Question Shuffling Allowed :</b>	Yes

**Question Number : 71 Question Id : 19088911852 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

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

The upper premolar and molars are implanted in

- |                |              |
|----------------|--------------|
| (1) Premaxilla | (2) Maxilla  |
| (3) Mandible   | (4) Palatine |

**Options :**

19088947301. 1

19088947302. 2

19088947303. 3

19088947304. 4

**Question Number : 72 Question Id : 19088911853 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

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

The fovea capitis is present in the head of

- |             |           |
|-------------|-----------|
| (1) Humerus | (2) Femus |
| (3) Atlas   | (4) Axis  |

**Options :**

19088947305. 1

19088947306. 2

19088947307. 3

19088947308. 4

**Question Number : 73 Question Id : 19088911854 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

The obturator foramen is formed by

- (A) Ilium
- (B) Ischium
- (C) Pubis
- (D) Sacrum

Choose the most appropriate answer from the options given below :

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

**Options :**

19088947309. 1

19088947310. 2

19088947311. 3

19088947312. 4

**Question Number : 74 Question Id : 19088911855 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Match List I with List II

List I	List II
(A) Psoas tubercle	(I) Fibular tarsal
(B) Odontoid process	(II) Ilium
(C) Sustentaculum tali	(III) Axis
(D) Tuber calcis	(IV) Achillie's tendon

Choose the correct answer from the options given below :

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

**Options :**

19088947313. 1

19088947314. 2

19088947315. 3

19088947316. 4

**Question Number : 75 Question Id : 19088911856 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

The duct of parotid salivary gland opens at \_\_\_\_\_ in Ox

- (1) Papilla incisiva opposite 5th upper cheek teeth
- (2) Papilla salivalis opposite 5th upper cheek teeth
- (3) Papilla salivalis opposite 5th lower cheek teeth
- (4) Coruncula sublingualis opposite 5th upper cheek teeth

**Options :**

19088947317. 1

19088947318. 2

19088947319. 3

19088947320. 4

**Question Number : 76 Question Id : 19088911857 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

The male accessory sex gland present in all species of domestic animals

- (A) Prostate gland
- (B) Cowper's gland
- (C) Vesicular gland
- (D) Mammary gland

Choose the most appropriate answer from the options given below :

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

**Options :**

19088947321. 1

19088947322. 2

19088947323. 3

19088947324. 4

**Question Number : 77 Question Id : 19088911858 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Which of the following ligament attaches parietal surface of liver to diaphragm

- (1) Right lateral ligament
- (2) Round ligament
- (3) Falciform ligament
- (4) Lesser omentum

**Options :**

19088947325. 1

19088947326. 2

19088947327. 3

19088947328. 4

**Question Number : 78 Question Id : 19088911859 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Match List I with List II

List I	List II
(A) Guttural pouch	(I) Interior of rumen
(B) Taste bud	(II) Duodenum
(C) Ansa sigmoidea	(III) Circumvallate papillae
(D) Turkish towel appearance	(IV) Equine

Choose the correct answer from the options given below :

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

**Options :**

19088947329. 1

19088947330. 2

19088947331. 3

19088947332. 4

**Question Number : 79 Question Id : 19088911860 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Match List I with List II

List I	List II
(A) Tendinous inscriptions	(I) Obliquus abdominis externus
(B) Extensor brevis	(II) Femoral canal
(C) Poupart's ligament	(III) Rectus abdominis
(D) Sartorius	(IV) Short digital extensor

Choose the correct answer from the options given below :

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

**Options :**



19088947333. 1

19088947334. 2

19088947335. 3

19088947336. 4

**Question Number : 80 Question Id : 19088911861 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

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

The tendon of muscle common digital extensor is inserted on

- (1) Extensor process of III phalanx in hind limb
- (2) Extensor process of III phalanx in fore limb
- (3) Extensor process of II phalanx in fore limb
- (4) Extensor process of II phalanx in hind limb

**Options :**

19088947337. 1

19088947338. 2

19088947339. 3

19088947340. 4

**Question Number : 81 Question Id : 19088911862 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

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

The transverse bond of fibers connecting two cerebral hemisphere is

- |                     |                          |
|---------------------|--------------------------|
| (1) Corpus albicans | (2) Corpus callosum      |
| (3) Corpora arnacea | (4) Corpora quadrigemina |

**Options :**

19088947341. 1

19088947342. 2

19088947343. 3

19088947344. 4

**Question Number : 82 Question Id : 19088911863 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

The muscles on dorsolateral aspect of fore limb get innervation from branches of

- |                    |                  |
|--------------------|------------------|
| (1) Peroneal nerve | (2) Radial nerve |
| (3) Ulnar nerve    | (4) Median nerve |

**Options :**

19088947345. 1

19088947346. 2

19088947347. 3

19088947348. 4

**Question Number : 83 Question Id : 19088911864 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Which of the following artery can be used for per rectal pregnancy diagnosis in cow

- |                              |                           |
|------------------------------|---------------------------|
| (1) Middle coccygeal artery  | (2) Middle uterine artery |
| (3) External pudental artery | (4) Internal iliac artery |

**Options :**

19088947349. 1

19088947350. 2

19088947351. 3

19088947352. 4

**Question Number : 84 Question Id : 19088911865 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

The vascular tunic of eye consists of

- (A) Ciliary body
- (B) Iris
- (C) Sclera
- (D) Choroid

Choose the correct answer from the options given below :

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

**Options :**

19088947353. 1

19088947354. 2

19088947355. 3

19088947356. 4

**Question Number : 85 Question Id : 19088911866 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

The muscular band at the junction of anterior vena cava and its attachment to auricle is

- (1) Pectinate muscle
- (2) Crista terminalis
- (3) Papillary muscle
- (4) Pectineus muscle

**Options :**

19088947357. 1

19088947358. 2

19088947359. 3

19088947360. 4

**Question Number : 86 Question Id : 19088911867 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

The fixative neutral buffered formalin doesn't contain

- |                     |                       |
|---------------------|-----------------------|
| (1) 37-40% Formalin | (2) Mercuric chloride |
| (3) Distilled water | (4) Sodium phosphate  |

**Options :**

19088947361. 1

19088947362. 2

19088947363. 3

19088947364. 4

**Question Number : 87 Question Id : 19088911868 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Match List I with List II

List I	List II
(A) DPX	(I) Fixative
(B) Cedar wood oil	(II) Mountant
(C) 2% Gluteraldehyde	(III) Clearing agent
(D) PAS	(IV) Basement membrane

Choose the correct answer from the options given below :

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

**Options :**

19088947365. 1

19088947366. 2

19088947367. 3

19088947368. 4

**Question Number : 88 Question Id : 19088911869 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Which of the following instrument is used to cut 5-6  $\mu$  thick section of tissue during routine histological study?

- |                      |                    |
|----------------------|--------------------|
| (1) Cryostat         | (2) Ultramicrotome |
| (3) Rotary microtome | (4) Glass knife    |

**Options :**

19088947369. 1

19088947370. 2

19088947371. 3

19088947372. 4

**Question Number : 89 Question Id : 19088911870 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

The Juxtaglomerular apparatus consists of

- (A) Bowman's capsule
- (B) Macula densa
- (C) Juxtaglomerular cells
- (D) Lacis cells

Choose the correct answer from the options given below :

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

**Options :**

19088947373. 1

19088947374. 2

19088947375. 3

19088947376. 4

**Question Number : 90 Question Id : 19088911871 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Arrange from inside to outside

- (A) Epithelium
- (B) Lamina propria
- (C) Lamina muscularis
- (D) Tunica submucosa
- (E) Tunica muscularis

Choose the correct answer from the options given below :

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

**Options :**

19088947377. 1

19088947378. 2

19088947379. 3

19088947380. 4

**Question Number : 91 Question Id : 19088911872 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Given below are two statements :

Statement I : The cells actively involved in protein synthesis will show abundance of Smooth Endoplasmic Reticulum (SER).

Statement II : The stratum granulosum is present between stratum lucidum and stratum corneum.

In the 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 :**

19088947381. 1

19088947382. 2

19088947383. 3

19088947384. 4

**Question Number : 92 Question Id : 19088911873 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

The lining epithelium of vagina in cow is

- (1) Simple squamous epithelium
- (2) Stratified squamous epithelium non keratinized
- (3) Stratified squamous epithelium, keratinized
- (4) Stratified cuboidal epithelium

**Options :**

19088947385. 1

19088947386. 2

19088947387. 3

19088947388. 4

Question Number : 93 Question Id : 19088911874 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The gastric cells concerned with secretion of hydrochloric acid

- (A) Oxyntic cells
- (B) Chief cells
- (C) Argentaffin cells
- (D) Purkinje cells

Choose the most appropriate answer from the options given below :

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

Options :

19088947389. 1

19088947390. 2

19088947391. 3

19088947392. 4

Question Number : 94 Question Id : 19088911875 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The basic tissue type that is derivative of all three germ layers is

- (1) Epithelial tissue
- (2) Connetive tissue
- (3) Nervous tissue
- (4) Muscular tissue

Options :

19088947393. 1

19088947394. 2

19088947395. 3

19088947396. 4



**Question Number : 95 Question Id : 19088911876 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

The thick, transparent layer of glycoprotein that cover ovum is

- |                        |                      |
|------------------------|----------------------|
| (1) Vitelline membrane | (2) Zona pellucida   |
| (3) Membrana granulosa | (4) Tunica albuginea |

**Options :**

19088947397. 1

19088947398. 2

19088947399. 3

19088947400. 4

**Question Number : 96 Question Id : 19088911877 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

The process of transformation of spermatid into spermatozoa is called

- |                         |                     |
|-------------------------|---------------------|
| (1) Spermeation         | (2) Spermiogenesis  |
| (3) Spermatocytogenesis | (4) Spermatogenesis |

**Options :**

19088947401. 1

19088947402. 2

19088947403. 3

19088947404. 4

**Question Number : 97 Question Id : 19088911878 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

The joints act as shock absorber are

- (A) Hip joint
- (B) Shoulder joint
- (C) Carpal joint
- (D) Tarsal joint

Choose the most appropriate answer from the options given below :

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

**Options :**

19088947405. 1

19088947406. 2

19088947407. 3

19088947408. 4

**Question Number : 98 Question Id : 19088911879 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

The structure act as cantilever to counter and balance centrifugal thrust when an animal moves

- (1) Head and Thorax
- (2) Thorax and Abdomen
- (3) Abdomen and Tail
- (4) Head and Tail

**Options :**

19088947409. 1

19088947410. 2

19088947411. 3

19088947412. 4

**Question Number : 99 Question Id : 19088911880 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Given below are two statements :

Statement I: The muscles of hind limbs are relatively heavier and voluminous as compared to Forelimb.

Statement II: The hind limb provide propulsive force during locomotion.

In the 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 :**

19088947413. 1

19088947414. 2

19088947415. 3

19088947416. 4

**Question Number : 100 Question Id : 19088911881 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

The resistance of a material to break under tension is called

- (1) Elasticity
- (2) Tensile strength
- (3) Stress
- (4) Tensile stress

**Options :**

19088947417. 1

19088947418. 2

19088947419. 3

19088947420. 4

**Question Number : 101 Question Id : 19088911882 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Birds can rotate its head to a larger extent in comparison to mammals due to

- |                     |                                       |
|---------------------|---------------------------------------|
| (1) Pneumatic bones | (2) Single occipital condyle          |
| (3) Notarium        | (4) More number of cervical vertebrae |

**Options :**

19088947421. 1

19088947422. 2

19088947423. 3

19088947424. 4

**Question Number : 102 Question Id : 19088911883 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

The chalaziferous layer of albumen is added in which part of oviduct?

- |                  |            |
|------------------|------------|
| (1) Infundibulum | (2) Magnum |
| (3) Isthmus      | (4) Uterus |

**Options :**

19088947425. 1

19088947426. 2

19088947427. 3

19088947428. 4

**Question Number : 103 Question Id : 19088911884 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Match List I with List II

List I	List II
(A) Optic nerve	(I) Lenticular nucleus
(B) Ophthalmic nerve	(II) Retina
(C) Jugular furrow	(III) Lacrimal gland
(D) Putamen	(IV) Recurrent laryngeal nerve

Choose the correct answer from the options given below :

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

**Options :**

19088947429. 1

19088947430. 2

19088947431. 3

19088947432. 4

**Question Number : 104 Question Id : 19088911885 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Layer of rods and cones are found in

- |            |            |
|------------|------------|
| (1) Sclera | (2) Cornea |
| (3) Retina | (4) Iris   |

**Options :**

19088947433. 1

19088947434. 2

19088947435. 3

19088947436. 4

**Question Number : 105 Question Id : 19088911886 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

The cranial nerve contribute in formation of parasympathetic nervous system are

- (A) Optic
- (B) Vagus
- (C) Facial
- (D) Spinal accessory
- (E) Oculomotor

Choose the correct answer from the options given below :

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

**Options :**

19088947437. 1

19088947438. 2

19088947439. 3

19088947440. 4

**Question Number : 106 Question Id : 19088911887 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Mineralocorticoid hormones are secreted by cells of

- (1) Zona reticulata
- (2) Zona glomerulosa
- (3) Zona fasciculata
- (4) Zona pellucida

**Options :**

19088947441. 1

19088947442. 2

19088947443. 3

19088947444. 4

**Question Number : 107 Question Id : 19088911888 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

The secretory granules collected at terminal part of axon in neurohypophysis is called

- |                      |                |
|----------------------|----------------|
| (1) Corpora arenacea | (2) Brain sand |
| (3) Herring bodies   | (4) Neuropil   |

**Options :**

19088947445. 1

19088947446. 2

19088947447. 3

19088947448. 4

**Question Number : 108 Question Id : 19088911889 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

The average section thickness for studying internal structure of cells using transmission electron microscope

- |                     |                         |
|---------------------|-------------------------|
| (1) 5 $\mu\text{m}$ | (2) 60-90 nm            |
| (3) 10-20 nm        | (4) 10-20 $\mu\text{m}$ |

**Options :**

19088947449. 1

19088947450. 2

19088947451. 3

19088947452. 4

**Question Number : 109 Question Id : 19088911890 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Given below are two statements : One is labelled as Assertion (A) and the other is labelled as Reason (R).

Assertion (A) : The transmission electron micrographs are never colour.

Reason (R) : The image produced by detecting light transmitted through specimen are of higher wavelength.

In the light of the above statements, choose the correct answer from the options given below :

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

**Options :**

19088947453. 1

19088947454. 2

19088947455. 3

19088947456. 4

**Question Number : 110 Question Id : 19088911891 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

The hormone progesterone is secreted by

- |                      |                   |
|----------------------|-------------------|
| (1) Theca cells      | (2) Corpus luteum |
| (3) Cumulus oophorus | (4) Leydig cells  |

**Options :**

19088947457. 1

19088947458. 2

19088947459. 3

19088947460. 4



**Question Number : 111 Question Id : 19088911892 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

The capacity of microscope to distinguish two adjacent point is

- |                        |                     |
|------------------------|---------------------|
| (1) Magnification      | (2) Resolving power |
| (3) Numerical aperture | (4) Contrast        |

**Options :**

19088947461. 1

19088947462. 2

19088947463. 3

19088947464. 4

**Question Number : 112 Question Id : 19088911893 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Who among the following was pioneer worker in the field of histoenzymology?

- |                |                     |
|----------------|---------------------|
| (1) JJ Thomson | (2) Knoll and Ruska |
| (3) AGE Pearse | (4) Robert Hook     |

**Options :**

19088947465. 1

19088947466. 2

19088947467. 3

19088947468. 4

**Question Number : 113 Question Id : 19088911894 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

The frozen tissue samples are required for demonstration of

- |                                 |                            |
|---------------------------------|----------------------------|
| (1) Nucleus of cells            | (2) Liner parenchyma       |
| (3) Neutral mucopolysaccharides | (4) Succinic dehydrogenase |

**Options :**

19088947469. 1

19088947470. 2

19088947471. 3

19088947472. 4

**Question Number : 114 Question Id : 19088911895 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

The condition in which fertilization takes place but the zygote does not implanted in uterus, rather grow at other place?

- |                    |                       |
|--------------------|-----------------------|
| (1) Ectopia cordis | (2) Ectopic pregnancy |
| (3) Crypchordism   | (4) Stenosis          |

**Options :**

19088947473. 1

19088947474. 2

19088947475. 3

19088947476. 4

**Question Number : 115 Question Id : 19088911896 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Match List I with List II

List I	List II
(A) Tetralogy of Fallot	(I) Vagina
(B) Wolfian duct	(II) Heart
(C) Mullerian duct	(III) Intermediate mesoderm
(D) Kidney	(IV) Seminal vesicle

Choose the correct answer from the options given below :

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

**Options :**

19088947477. 1

19088947478. 2

19088947479. 3

19088947480. 4

**Question Number : 116 Question Id : 19088911897 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

You have been provided a bull for performing surgery on plantar aspect of hind limb. The required nerve block will be

- (1) Peroneal nerve
- (2) Tibial nerve
- (3) Femoral nerve
- (4) Candal gluteal nerve

**Options :**

19088947481. 1

19088947482. 2

19088947483. 3

19088947484. 4

**Question Number : 117 Question Id : 19088911898 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Urinary catheterization is difficult in bull due to

- (A) Presence of sigmoid flexure
- (B) Presence of prostate gland
- (C) Presence of corona glandis
- (D) Presence of round ligament

Choose the most appropriate answer from the options given below :

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

**Options :**

19088947485. 1

19088947486. 2

19088947487. 3

19088947488. 4

**Question Number : 118 Question Id : 19088911899 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

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

Paired structure in female reproduction system of rat are

- (A) Ovary
- (B) Cervix
- (C) Vagina
- (D) Uterus

Choose the correct answer from the options given below :

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

**Options :**

19088947489. 1

19088947490. 2

19088947491. 3

19088947492. 4

**Question Number : 119 Question Id : 19088911900 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

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

The large space between incisors and molars of laboratory animals is

- (1) Dental pad
- (2) Root canal
- (3) Diastema
- (4) Buccal pad

**Options :**

19088947493. 1

19088947494. 2

19088947495. 3

19088947496. 4

Question Number : 120 Question Id : 19088911901 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Kindling is act of posturition in

(1) Mice

(2) Rabbit

(3) Guinea Fowl

(4) Goat

**Options :**

19088947497. 1

19088947498. 2

19088947499. 3

19088947500. 4