



Zoology: Section A

151. Match List I with List II:

List I	List II
A. Cocaine	I. Effective sedative in surgery
B. Heroin	II. Cannabis sativa
C. Morphine	III. Erythroxylum
D. Marijuana	IV. Papaver somniferum

Choose the correct answer from the options given below:

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

Ans: (4)

Page no: II PUC NCERT 142 ,143

152. Match List I with List II:

List I	List II
A. Down's syndrome	I. 11 th chromosome
B. α - Thalassemia	II. 'X' chromosome
C. β - Thalassemia	III. 21 st chromosome
D. Klinefelter's syndrome	IV. 16 th chromosome

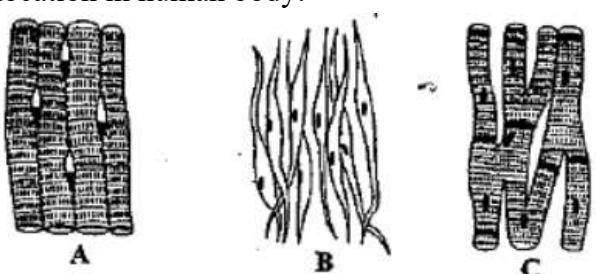
Choose the correct answer from the options given below:

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

Ans. (3)

Page no: II PUC NCERT - 76

153. Three types of muscles are given as a, b and c. Identify the correct matching pair along with their location in human body:



Name of muscle/ location

- (1) (a) Smooth- Toes
 - (b) Skeletal- Legs
 - (c) Cardiac- Heart



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ZOOLOGY

- (2) (a) Skeletal- Triceps
(b) Smooth – Stomach
(c) Cardiac – Heart
- (3) (a) Skeletal- Biceps
(b) Involuntary – Intestine
(c) Smooth – Heart
- (4) (a) Involuntary – Nose tip
(b) Skeletal – Bone
(c) Cardiac – Heart

Ans: (2)

Page no: I PUC NCERT- 105 (old text book)

154. Match List I with List II:

- | List I | List II |
|------------------------|-----------------|
| A. <i>Pterophyllum</i> | I. Hag fish |
| B. <i>Myxine</i> | II. Saw fish |
| C. <i>Pristis</i> | III. Angel fish |
| D. <i>Exocoetus</i> | IV. Flying fish |

Choose the correct answer from the options given below:

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

Ans: (2)

EDUCATION FOUNDATION MOOBIDRI (R)

Page no: I PUC NCERT 47; 48

155. Which of the following is not a component of Fallopian tube?

- (1) Uterine fundus
- (2) Isthmus
- (3) Infundibulum
- (4) Ampulla

Ans: (1)

Page no: II PUC NCERT 29

156. Match List I with List II:

- | List I | List II |
|-------------------------|--------------------------|
| A. <i>Pleurobrachia</i> | I. <i>Mollusca</i> |
| B. Radula | II. <i>Ctenophora</i> |
| C. <i>Stomochord</i> | III. <i>Osteichthyes</i> |
| D. Air bladder | IV. <i>Hemichordata</i> |

Choose the correct answer from the options given below:

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



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Ans: (2)

Page no: I PUC NCERT 42,44,48

157. Which of the following are Autoimmune disorders?

- A. Myasthenia gravis
- B. Rheumatoid arthritis
- C. Gout
- D. Muscular dystrophy
- E. Systemic Lupus Erythematosus (SLE)

Choose the most appropriate answer from the options given below:

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

Ans: (2)

I PUC NCERT **Page no:**277

158. Given below are two statements:

Statement I: In the nephrons, the descending limb of loop of Henle is impermeable to water and permeable to electrolytes.

Statement II: The proximal convoluted tubule is lined by simple columnar brush border epithelium and increases the surface area for reabsorption.

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

- (1) Both statement I and Statement II are true
- (2) Both statement I and statement II are false
- (3) Statement I is true but statement II is false
- (4) Statement I is false but statement II is true

Ans: (2)

I PUC NCERT- 209

159. Which of the following is not a steroid hormone?

- (1) Cortisol
- (2) testosterone
- (3) Progesterone
- (4) Glucagon

Ans: (4)

Page no: I PU NCERT - 248

160. Given below are two statements:

Statement I: The presence or absence of hymen is not a reliable indicator of virginity.

Statement II: The hymen is torn during the first coitus only.

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

- (1) Both statement I and Statement II are true
- (2) Both statement I and statement II are false
- (3) Statement I is true but statement II is false
- (4) Statement I is false but statement II is true



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Ans: (3)

Page no: II PU NCERT - 30

161. Which of the following factors are favourable for the formation of oxyhaemoglobin in alveoli?

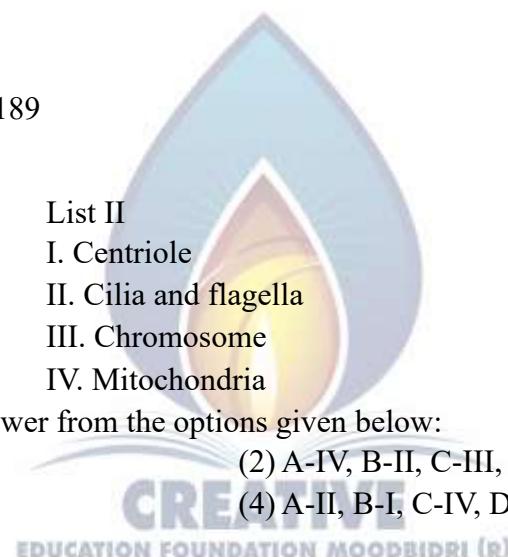
- (1) High pO_2 and High pCO_2
- (2) High pO_2 and Lesser H^+ concentration
- (3) Low pO_2 and High H^+ concentration
- (4) Low pO_2 and High temperature

Ans: (2)

Page no: I PU NCERT - 189

162. Match List I with List II:

- | List I | List II |
|----------------------|------------------------|
| A. Axoneme | I. Centriole |
| B. Cartwheel pattern | II. Cilia and flagella |
| C. Crista | III. Chromosome |
| D. Satellite | IV. Mitochondria |



Choose the correct answer from the options given below:

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

Ans: (4)

Page no: I PU NCERT - 97,99,102

163. The flippers of the Penguins and Dolphins are the example of the

- (1) Adaptive radiation
- (2) Natural selection
- (3) Convergent evolution
- (4) Divergent evolution

Ans: (3)

Page no: II PU NCERT - 115

164. Given below are some stages of human evolution. Arrange them in correct sequence. (Past to Recent)

- A. *Homo habilis*
- B. *Homo sapiens*
- C. *Homo neanderthalensis*
- D. *Homo erectus*

Choose the correct sequence of human evolution from the options given below:

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



Ans: (4)

Page no: II PU NCERT - 124

165. In both sexes of cockroach, a pair of jointed filamentous structures called anal cerci are presented on:

- (1) 5th segment (2) 10th segment (3) 8th and 9th segment (4) 11th segment

Ans: (2)

Page no: I PU NCERT - 112

166. Which of the following statements is incorrect?

- (1) A bio-reactor provides optimal growth conditions for achieving the desired product.
(2) Most commonly used bio-reactors are of stirring type.
(3) Bio-reactors are used to produce small scale bacterial cultures.
(4) Bio-reactors have an agitator system, an oxygen delivery system and foam control system.

Ans: (3)

Page no: II PU NCERT - 174

167. Match List I with List II:

List I	List II
A. Typhoid	I. Fungus
B. Leishmaniasis	II. Nematode
C. Ringworm	III. Protozoa
D. Filariasis	IV. Bacteria

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Choose the correct answer from the options given below:

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

Ans: (2)

Page no: II PU NCERT - 130 TO 133

168. Consider the following statements:

- A. Annelids are true coelomates
B. Poriferans are pseudocoelomates
C. Aschelminthes are acoelomates
D. Platyhelminthes are pseudocoelomates

Choose the correct answer from the options given below:

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

Ans: (2)



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Page no: I PUC NCERT - 43

169. Which of the following is not a natural/traditional contraceptive method?

- | | |
|----------------------------|-------------------------|
| (1) Coitus interruptus | (2) Periodic abstinence |
| (3) Lactational amenorrhea | (4) Vaults |

Ans: (4)

Page no: II PUC NCERT - 44

170. Match List I with List II:

List I	List II
A. Pons	I. Provides additional space for Neurons, regulates posture and balance
B. Hypothalamus	II. Controls respiration and Gastric secretions.
C. Medulla	III. Connects different regions of the brain.
D. Cerebellum	IV. Neuro secretory cells

Choose the correct answer from the options given below:

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

Ans: (2)

Page no: I PUC NCERT - 236

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171. Which one of the following factors will not affect the Hardy-Weinberg equilibrium?

- | | |
|---------------------------|------------------------|
| (1) Genetic recombination | (2) Genetic drift |
| (2) Gene migration | (4) Constant gene pool |

Ans: (4)

Page no: II PUC NCERT - 121

172. Match List I with List II:

List I	List II
A. α -1 antitrypsin	I. Cotton bollworm
B. Cry Iab	II. ADA deficiency
C. Cry IAc	III. Emphysema
D. Enzyme replacement therapy	IV. Corn borer

choose the correct answer from the options given below:

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

Ans: (3)



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Page no: II PUC NCERT - 180, 182, 183

173. Following are the stages of pathway for conduction of an action potential through the heart:

- A. AV bundle
- B. Purkinje fibres
- C. AV node
- D. Bundle branches
- E. SA node

Choose the correct sequence of pathway from the options given below:

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

Ans: (1)

Page no: I PUC NCERT - 199

174. The “Ti plasmid” of Agrobacterium tumefaciens stands for

- (1) Tumour inhibiting plasmid (2) Tumor independent plasmid
(3) Tumor inducing plasmid (4) Temperature independent plasmid

Ans: (3)

Page no: II PUC NCERT - 170

175. Match list I with List II:

List I

- A. Expiratory capacity
B. Functional residual capacity
C. Vital capacity
D. Inspiratory capacity

List II

- I. Expiratory reserve volume + Tidal volume + Inspiratory reserve volume
II. Tidal volume + Expiratory reserve volume
III. Tidal volume + Inspiratory reserve volume
IV. Expiratory reserve volume + Residual volume

Choose the correct answer form the options given below:

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

Ans: (1)

Pg no. I PUC NCERT 186-187

176. Following are the stages of cell division:

- A. Gap 2 phase
- B. Cytokinesis
- C. Synthesis phase
- D. Karyokinesis
- E. Gap 1 phase

Choose the correct sequence of stages from the options given below:

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



Ans: (4)

Pg no. I PUC NCERT 121

177. Match Lists I with List II:

List I	List II
A. Fibrous joints	I. Adjacent vertebrae, limited movement
B. Cartilaginous joints	II. Humerus and Pectoral girdle, rotational movement
C. Hinge joints	III. Skull, don't allow any movement
D. Ball and socket joints	IV. Knee, helps in locomotion

Choose the correct answer from the options given below:

Ans: (4)

Pg no. I PUC NCERT 227

178. Given below are two statements: one is labelled as Assertion A and the other is labelled as Reason R:

Assertion A: FSH acts upon ovarian follicles in female and Leydig cells in male.

Reason R: Growing ovarian follicles secrete estrogen in female while interstitial cells secrete androgen in male human being.

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

Ans: (4)

Pg no. II PUC NCERT 31, 32, 33

179. Match list I with List II:

List I (sub phases of Prophase I)	List II (specific characters)
A. Diakinesis	I. Synaptonemal complex formation
B. Pachytene	II. Completion of terminalization of chiasmata
C. Zygotene	III. Chromosomes look like thin threads
D. Leptotene	IV. Appearance of recombination nodules

Choose the correct answer from the options given below:

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



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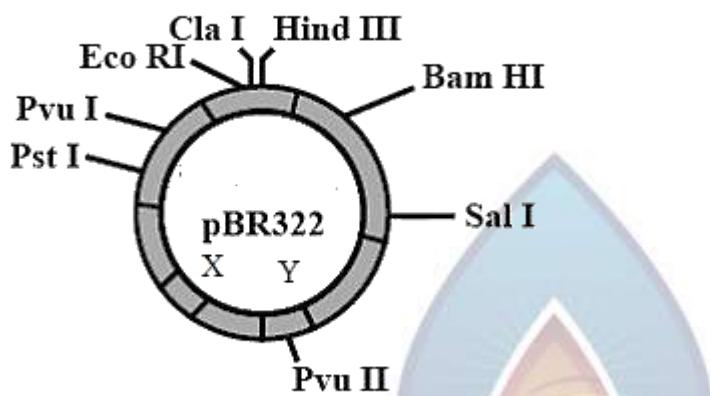
NEET (UG)-2024 (Code - Q2)

ZOOLOGY

Ans: (3)

Pg. No.I PUC NCERT 126

180. The following diagram showing restriction sites in *E.coli* cloning vector pBR322. Find the role of 'X' and 'Y' genes:



- (1) The gene 'X' is responsible for resistance to antibiotics and 'Y' for protein involved in the replication of plasmid.
- (2) The gene 'X' is responsible for controlling the copy number of the linked DNA and 'Y' for protein involved in the replication of plasmid.
- (3) The gene 'X' is for protein involved and 'Y' for protein involved in the replication of plasmid and Y for resistance to antibiotics
- (4) The gene X is responsible for recognition sites and 'Y' is responsible for antibiotic resistance.

Ans: (2)

Pg no. II PUC NCERT 169

181. Match List I with List II:

List I	List II
A. Common cold	I. Plasmodium
B. Haemozoin	II. Typhoid
C. Widal test	III. Rhinoviruses
D. Allergy	IV. Dust mites

Choose the correct answer from the options given below:

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

Ans: (3)

Pg. No. II PUC NCERT 130, 131, 132, 133



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182. Match List I with List II:

- | List I | List II |
|--------------------------|------------------|
| A. Non-medicated IUD | I. Multiload 375 |
| B. Copper releasing IUD | II. Progestogens |
| C. Hormone releasing IUD | III. Lippes loop |
| D. Implants | IV. LNG-20 |

Choose the correct from the options given below:

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

Ans: (4)

Pg. No.II PUC NCERT 44, 45

183. Given below are two statements: one is labelled as Assertion A and the other is labelled as Reason R:

Assertion A: Breast-feeding during initial period of infant growth is recommended by doctors form bringing a healthy baby.

Reason R: Colostrum contains several antibodies absolutely essential to develop resistance for the new born baby.

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

- | |
|--|
| (1) Both A ad R are correct and R is the correct explanation of A |
| (2) Both A and R are correct but R is NOT the correct explanation of A |
| (3) A is correct but R is not correct |
| (4) A is not correct but R is correct |

Ans: (1)

Page no .II PUC NCERT -38

184. Match list I with List II:

- | List I | List II |
|-------------|-------------------------|
| A. Lipase | I. Peptide bond |
| B. Nuclease | II. Ester bond |
| C. Protease | III. Glycosidic bond |
| D. Amylase | IV. Phosphodiester bond |

Choose the correct answer from the options given below:

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

Ans: (3)

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185. Which one is the correct product of DNA dependent RNA polymerase to the given template?

- 3' TACATGGCAAAFATCCATTCA5'
(1) 5' AUGUACCGUUUAUAGGUAGU3'
(2) 5' AUGUAAAGUUUAUAGGUAGU3'
(3) 5' AUGUACCGUUUAUAGGGAAGU3'
(4) 5' ATGTACCGTTATAGGTAAGT3'

Ans: (1)

Page no: II PUC NCERT 93&94

186. Match list I with list II related to digestive system of cockroach.

List I

- A. The structures used for storing of food.
B. Ring of 6- blind tubules at junction of foregut and midgut.
C. Ring of 100-150 yellow coloured thin filaments at junction of midgut and hindgut
D. The structures used for grinding the food.

List II

- I. Gizzard
II. Gastric Caeca
III. Malpighian tubules
IV. Crop

Choose the correct answer from the options given below:

- (1) A – IV, B – II, C – III, D – I
(2) A – I, B – II, C – III, D – IV
(3) A - IV, B – III, C – II, D – I
(4) A – III, B -0 II, C – IV, D – I

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Ans: (1)

Page no: I PUC NCERT 113 old book

187. Match list I with List II

List I

- A. RNA polymerase III
B. Termination of transcription
C. Splicing of Exons
D. TATA box

List II

- I. snRNPs
II. Promoter
III. Rho factor
IV. SnRNAs, tRNA

Choose the correct answer from the options given below:

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

Ans: (4)

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188.The following are the statements about non-chordates:

- A. Pharynx is perforated
- B. Notochord is absent
- C. Central nervous system is dorsal.
- D. Heart is dorsal if present.
- E. Post anal tail is absent.

Choose the most appropriate answer from the options given below:

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

Ans: (3)

Page no: I PUC NCERT 45&46

189.Match List I with List II

List I

- A. Exophthalmic goitre
- B. Acromegaly
- C. Cushing's syndrome
- D. Cretinism

List II

- I. Excess secretion of cortisol, moon face & hyperglycaemia
- II. Hypo-secretion of thyroid hormone and stunted growth.
- III. Hyper secretion of thyroid hormone & protruding eye balls.
- IV. Excessive secretion of growth hormone.

Choose the correct answer from the options given below:

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

Ans: (4)

Page no :I PUC NCERT 241&242

190.Given below are two statements :

Statement I : Mitochondria and chloroplasts are both double membrane bound organelles.

Statement II : Inner membrane of mitochondria is relatively less permeable , as compared to chloroplast.

In the light of 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

Ans: (3)



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Page no: I PUC NCERT 98

191. Given below are two statements :

Statement I : The cerebral hemispheres are connected by nerve tract known as corpus callosum.

Statement II : The brain stem consist of the medulla oblongata, pons and cerebrum

In the light of 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

Ans: (3)

Page No: IPUC NCERT-236

192. Regarding catalytic cycle of an enzyme action, select the correct sequential steps

- A. Substrate enzyme complex formation
- B. Free enzyme ready to bind with another substrate.
- C. Release of products
- D. Chemical bonds of the substrate broken
- E. Substrate binding to active site.

Choose the correct answer from the options given below:

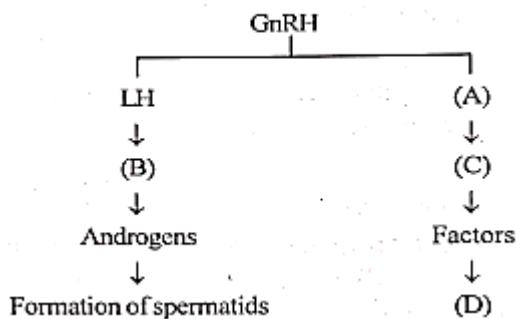
- (1) E, A, D, C, B
- (2) A, E, B, D, C
- (3) B, A, C, D, E
- (4) E, D, C, B, A

Ans: (1)

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70281111111111111111108, 70281111111111111111109, 70281111111111111111110, 70281111111111111111111, 70281111111111111111112, 70281111111111111111113, 70281111111111111111114, 70281111111111111



194. Identify the correct option (A), (B), (C), (D) with respect to spermatogenesis.



- (1) FSH, Leydig cells, Sertoli cells, spermiogenesis
- (2) ICSH, Interstitial cells, Leydig cells, spermiogenesis
- (3) FSH, Sertoli cells, Leydig cells, spermiogenesis
- (4) ICSH, Leydig cells, Sertoli cells, spermiogenesis

Ans: (1)

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195. Match List I with List II

List – I

- A. P wave
- B. QRS complex
- C. T wave
- D. T – P gap

List II

- I. Heart muscles are electrically silent
- II. Depolarisation of ventricles
- III. Depolarisation of atria.
- IV . Repolarisation of ventricles

Choose the correct answer from the options given below:

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

Ans: (2)

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196. Choose the correct statement given below regarding juxta medullary nephron.

- (1) Juxta medullary nephrons are located in the columns of Bertini.
- (2) Renal corpuscle of juxta medullary nephron lies in the outer portion of the renal medulla.
- (3) Loop of Henle of juxta medullary nephron runs deep into medulla.
- (4) juxta medullary nephrons outnumber the cortical nephrons.

Ans: (3)

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197. Given below are two statements :

Statement I : Bone marrow is the main lymphoid organ where all blood cells including lymphocytes are produced.

Statement II : Both bone marrow and thymus provide micro environments for the development and maturation of T – lymphocytes.

In the light of 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

Ans: (1)

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198. Match List I with List II

List – I

- A. Unicellular glandular epithelium
- B. Compound epithelium
- C. Multicellular glandular epithelium
- D. Endocrine glandular epithelium

List II

- I. Salivary glands
- II. Pancreas
- III. Goblet cells of alimentary canal
- IV. Moist surface of buccal cavity

Choose the correct answer from the options given below:

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

Ans: (3)

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199. Match list I with List II:

List I

- A. Mesozoic Era
- B. Proterozoic Era
- C. Cenozoic Era
- D. Paleozoic Era

List II

- I. Lower invertebrates
- II. Fish & Amphibia
- III. Birds & Reptiles
- IV. Mammals

Choose the correct answer from the options given below:

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

Ans: (4)

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ZOOLOGY

200. As per ABO blood grouping system, the blood group of father is B^+ , mother is A^+ and child is O^+ .

Their respective genotype can be

- A. $I^B i / I^A i / ii$
- B. $I^B I^B / I^A I^A / ii$
- C. $I^A I^B / II^A / I^B i$
- D. $I^A i / I^B i / I^A i$
- E. $iiL^B / iiL^A / I^A I^B$

Choose the most appropriate answer from the options given below:

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

Ans: (1)

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DEPARTMENT OF BIOLOGY

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