

ZOOLOGY

SECTION-A

151. Match List I with List II :

	List I		List II
Α.	Pleurobrachia	I.	Mollusca
В.	Radula	11.	Ctenophora
C.	Stomochord	III.	Osteichthyes
D.	Air bladder	IV.	Hemichordata

Choose the correct answer from the options given below :

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

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

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

Answer (4)

152. Match List I with List II

	List I		List II
Α.	Non-medicated IUD	ł	Multiload 375
В.	Copper releasing IUD	П.	Progestogens
C.	Hormone releasing IUD	III.	Lippes loop
D.	Implants	IV.	LNG-20

Medical

Choose the correct answer from the option given below:

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

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

Answer (2)

153. Match List I with List II :

List I

List II

- A. α –I 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 form the options given below:

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

Answer (1)

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-III, B-I, C-II, D-IV (2) A-II, B-IV, C-III, D-I (3) A-I, B-II, C-II, D-IV (2) A-I, B-III, C-II, D-IV (3) A-I, B-III, C-II, D-IV (4) A-I, B-III, C-II, D-IV (4) A-I, B-III, C-II, D-IV (5) Match List I with List II : 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) (1) A-II, B-I, C-II, D-IV (2) A-III, B-I, C-I, D-II (3) A-IV, C-I, D-II (3) A-IV, C-I, D-II (4) A-I, B-III, C-I, D-IV (5) A-III, B-II, C-I, D-IV (2) A-III, B-III,	NEET	(UG))-2024 (Code-T5)					
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-III, B-I, C-II, D-IV (2) A-IV, B-II, C-III, D-I (3) A-I, B-IV, C-III, D-I (3) A-I, B-III, C-II, D-IV (4) A-I, B-III, C-II, D-IV (5) Match List I with List II : List I 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-II, B-I, C-II, D-IV (2) A-III, B-IV, C-I, D-II (3) (3) A-IV, B-III, C-I, D-IV (2) A-III, B-IV, C-I, D-II (3) A-IV, B-III, C-I, D-IV (2) A-III, B-IV, C-I, D-II (3) A-IV, B-III, C-I, D-IV (3) A-IV, B-III, C-I, D-IV (4) A-I, B-III, C-I, D-IV (5) <td>154.</td> <td>Mate</td> <td>ch List I with List II :</td> <td></td> <td></td> <td></td> <td></td> <td></td>	154.	Mate	ch List I with List II :					
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-III, B-I, C-II, D-IV (2) A-IV, B-II, C-II, D-I (3) A-I, B-II, C-II, D-I (4) A-I, B-III, C-II, D-I (4) A-I, B-III, C-II, D-I (5) Match List I with List II : List I 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) (1) A-II, B-I, C-II, D-IV (2) A-III, B-I, C-I, D-II (3) A-IV, B-III, C-I, D-II (3) A-IV, B-III, C-I, D-II (4) A-I, B-III, C-I, D-II (5) Match List I with List II : List I (Sub Phases of Prophase I) (Specific Characters) A. Diakinesis I. Synaptonemal complex formation B. Pachytene II.			List I				List	П
C. Widal test III. Rhinoviruses D. Allergy IV. Dust mites Choose the correct answer from the options given below : (1) A-III, B-I, C-II, D-IV (2) A-IV, B-II, C-III, D-I (3) A-II, B-IV, C-III, D-I (4) A-I, B-III, C-II, D-IV Answer (1) 55. Match List I with List II : List I 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-II, B-I, C-II, D-IV (2) A-III, B-IV, C-I, D-II (3) A-IV, B-III, C-I, D-II (4) A-I, B-III, C-I, D-II (56. Match List I with List II : List I List I List I List I (Sub Phases of Prophase I) A. Diakinesis I. Synaptonemal complex formation B. Pachytene II. Completion of terminalisation of chiasmata		Α.	Common cold				I.	Plasmodium
D. Allergy IV. Dust mites Choose the correct answer from the options given below : (1) A-III, B-I, C-II, D-IV (2) A-IV, B-II, C-III, D-I (3) A-I, B-IV, C-III, D-I (4) A-I, B-III, C-II, D-IV (4) A-I, B-III, C-II, D-IV (4) A-I, B-III, C-II, D-IV (5) Match List I with List II : List I 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-II, B-I, C-II, D-IV (2) A-III, B-IV, C-I, D-II (3) (3) A-IV, B-III, C-I, D-IV (2) A-III, B-IV, C-I, D-II (3) A-IV, B-III, C-I, D-IV Answer (2) Status I Status I List I (Sub Phases of Prophase I) (Specific Characters) A. Diakinesis I. Synaptonemal complex formation B. Pachytene II. Completion of terminalisation of chiasmata		В.	Haemozoin				II.	Typhoid
Choose the correct answer from the options given below : (1) A-III, B-I, C-II, D-IV (2) A-IV, B-II, C-III, D-I (3) A-II, B-IV, C-III, D-I (4) A-I, B-III, C-II, D-IV Answer (1) 55. Match List I with List II : List I List II A. Cocaine I. Effective sedative in surgery B. Heroin II. C. Morphine III. Erythroxylum D. Marijuana D. Marijuana IV. Papaver somniferum Choose the correct answer from the options given below: (1) A-II, B-I, C-II, D-IV (2) A-III, B-IV, C-I, D-II (3) A-IV, B-III, C-I, D-I (4) A-I, B-III, C-I, D-I (4) A-I, B-III, C-I, D-IV Answer (2) Statist I 56. Match List I with List II : List I (Sub Phases of Prophase I) (Sub Phases of Prophase I) List II (Sub Phases of Prophase I) List II A. Diakinesis I. Synaptonemal complex formatio		C.	Widal test				III.	Rhinoviruses
(1) A-III, B-I, C-II, D-IV (2) A-IV, B-II, C-III, D-I (3) A-II, B-IV, C-III, D-I (4) A-I, B-III, C-II, D-IV Answer (1) 55. Match List I with List II : List I List I 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-II, B-I, C-II, D-IV (2) A-III, B-IV, C-I, D-II (3) A-IV, B-III, C-I, D-II (4) A-I, B-III, C-I, D-II (5) Answer (2) 56. Match List I with List II : List I (Sub Phases of Prophase I) List I (Sub Phases of Prophase I) A. Diakinesis I. Synaptonemal complex formation B. Pachytene II. Completion of terminalisation of chiasmata		D.	Allergy				IV.	Dust mites
 (2) A-IV, B-II, C-III, D-I (3) A-II, B-IV, C-III, D-I (4) A-I, B-III, C-II, D-IV Answer (1) 55. Match List I with List II : List I List I 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-II, B-I, C-III, D-IV (2) A-III, B-IV, C-I, D-II (3) A-IV, B-III, C-I, D-II (4) A-I, B-III, C-I, D-II (5) Match List I with List II : List I List I List I (Sub Phases of Prophase I) (Specific Characters) A. Diakinesis I. Synaptonemal complex formation B. Pachytene II. Completion of terminalisation of chiasmata 			Choose the correct an	swer fro	m the	options give	en be	low :
 (3) A-II, B-IV, C-III, D-I (4) A-I, B-III, C-II, D-IV Answer (1) 55. Match List I with List II : List I List I List I List I 56. Match List I, C-II, D-IV Answer (2) 56. Match List I with List II : List I Choose the correct answer from the options given below: (1) A-II, B-I, C-III, D-IV (2) A-III, B-IV, C-I, D-II (3) A-IV, B-III, C-I, D-II (4) A-I, B-III, C-I, D-II (5). Match List I with List II : 56. Match List I with List II : List I (Sub Phases of Prophase I) (Specific Characters) A. Diakinesis I. Synaptonemal complex formation B. Pachytene II. Completion of terminalisation of chiasmata 		(1)	A-III, B-I, C-II, D-IV					
 (4) A-I, B-III, C-II, D-IV Answer (1) 55. Match List I with List II : List I List I List I 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-II, B-I, C-III, D-IV (2) A-III, B-IV, C-I, D-II (3) A-IV, B-III, C-I, D-II (4) A-I, B-III, C-I, D-II (56. Match List I with List II : 56. Match List I with List II : 57. Diakinesis I. Synaptonemal complex formation B. Pachytene II. Completion of terminalisation of chiasmata 		(2)	A-IV, B-II, C-III, D-I					
Answer (1) 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-II, B-I, C-III, D-IV (2) A-III, B-IV, C-I, D-II (3) (3) A-IV, B-III, C-I, D-II (4) A-I, B-III, C-I, D-IV Answer (2) 56. Match List I with List II : List I List I List II (Sub Phases of Prophase I) (Specific Characters) A. Diakinesis 1. Synaptonemal complex formation B. Pachytene II. Completion of terminalisation of chiasmata		(3)	A-II, B-IV, C-III, D-I					
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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-II, B-I, C-III, D-IV (2) A-III, B-IV, C-I, D-II (3) A-IV, B-III, C-I, D-II (3) A-IV, B-III, C-I, D-II (4) A-I, B-III, C-II, D-IV Answer (2) 56. Match List I with List II : 56. Match List I with List II : List I (Sub Phases of Prophase I) (Specific Characters) A. Diakinesis I. Synaptonemal complex formation B. Pachytene II. Completion of terminalisation of chiasmata			List I	List II				
C. Morphine III. Erythroxylum D. Marijuana IV. Papaver somniferum Choose the correct answer from the options given below: (1) A-II, B-I, C-III, D-IV (2) A-III, B-IV, C-I, D-II (3) A-IV, B-III, C-I, D-II (3) A-IV, B-III, C-I, D-II (4) A-I, B-III, C-I, D-IV Answer (2) Match List I with List II : List I 56. Match List I with List II : List I (Sub Phases of Prophase I) (Specific Characters) A. Diakinesis I. Synaptonemal complex formation B. Pachytene		Α.	Cocaine	I. E	ffectiv	ve sedative i	n sui	gery
D. Marijuana IV. Papaver somniferum Choose the correct answer from the options given below: (1) A-II, B-I, C-III, D-IV (2) A-III, B-IV, C-I, D-II (3) A-IV, B-III, C-I, D-II (3) A-IV, B-III, C-I, D-II (4) A-I, B-III, C-I, D-IV Answer (2) Answer (2) 56. Match List I with List II : 56. Match List I with List II : List I (Sub Phases of Prophase I) (Specific Characters) A. Diakinesis I. Synaptonemal complex formation B. Pachytene II. Completion of terminalisation of chiasmata		В.	Heroin	II. C	annal	bis sativa		
List I List II (Sub Phases of Prophase I) (Specific Characters) A. Diakinesis I. B. Pachytene II. Completion of terminalisation of chiasmata		C.	Morphine	III. E	rythro	oxylum		
List I List II (Sub Phases of Prophase I) (Specific Characters) A. Diakinesis I. B. Pachytene II. Completion of terminalisation of chiasmata		D.	Marijuana	IV. P	apave	er somniferu	ım	
List I List II (Sub Phases of Prophase I) (Specific Characters) A. Diakinesis I. B. Pachytene II. Completion of terminalisation of chiasmata		Cho	ose the correct answer	from the	optio	ns given be	low:	1ation.
List I List II (Sub Phases of Prophase I) (Specific Characters) A. Diakinesis I. B. Pachytene II. Completion of terminalisation of chiasmata		(1)	A-II, B-I, C-III, D-IV				1	Inda
List I List II (Sub Phases of Prophase I) (Specific Characters) A. Diakinesis I. B. Pachytene II. Completion of terminalisation of chiasmata		(2)	A-III, B-IV, C-I, D-II					For
List I List II (Sub Phases of Prophase I) (Specific Characters) A. Diakinesis I. B. Pachytene II. Completion of terminalisation of chiasmata		(3)	A-IV, B-III, C-I, D-II			<i>/. //</i>	1	E
List I List II (Sub Phases of Prophase I) (Specific Characters) A. Diakinesis I. B. Pachytene II. Completion of terminalisation of chiasmata		(4)	A-I, B-III, C-II, D-IV				1.1	
List I List II (Sub Phases of Prophase I) (Specific Characters) A. Diakinesis I. B. Pachytene II.		Ans	wer (2)			1:Call.		
(Sub Phases of Prophase I)(Specific Characters)A.DiakinesisI.Synaptonemal complex formationB.PachyteneII.Completion of terminalisation of chiasmata	156.	Mate	ch List I with List II :		119	SOL		
A. Diakinesis I. Synaptonemal complex formation B. Pachytene II. Completion of terminalisation of chiasmata			List I		A	List II		
B. Pachytene II. Completion of terminalisation of chiasmata			(Sub Phases of Pro	phase I)		(Specific	Char	acters)
		Α.	Diakinesis		١.	Synaptone	emal	complex formation
C. Zygotene III. Chromosomes look like thin threads		В.	Pachytene		II.	Completio	n of	erminalisation of chiasmata
		C.	Zygotene		III.	Chromoso	mes	look like thin threads

Choose the correct answer from the options given below

IV.

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

D. Leptotene

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

Answer (1)

Appearance of recombination nodules



Given below are two statements: 157.

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

Answer (1)

- 158. Which one is the correct product of DNA dependent RNA polymerase to the given template? 3'TACATGGCAAATATCCATTCA5'
 - (1) 5'AUGUACCGUUUAUAGGGAAGU3'
 - (2) 5'ATGTACCGTTTATAGGTAAGT3'
 - (3) 5'AUGUACCGUUUAUAGGUAAGU3'
 - (4) 5'AUGUAAAGUUUAUAGGUAAGU3'

Answer (3)

159. Match List I with List II :

	List I		List I
А.	Expiratory capacity	Ι.	Expiratory reserve volume + Tidal volume + Inspiratory reserve volume
В.	Functional residual capacity	11.	Tidal volume + Expiratory reserve volume
C.	Vital capacity	III.	Tidal volume + Inspiratory reserve volume
D.	Inspiratory capacity	IV.	Expiratory reserve volume + Residual volume

Choose the correct answer from the options given below :

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

Answer (3)

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

Answer (4)



- Annelids are true coelomates Α.
- Β. Poriferans are pseudocoelomates
- C. Aschelminthes are acoelomates
- Platyhelminthes are pseudocoelomates D.

Choose the correct answer from the options given below :

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

Answer (4)

162. Given below are two statements :

Statement I: In the nephron, 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 option given below :

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

Answer (4)

163. Match List I with List II :

List I

- Α. Pterophyllum
- B. Myxine
- C. Pristis
- Aedicall D. Exocoetus

Choose the correct answer from the options given below :

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

Answer (4)

- 164. Which of the following is not a steroid hormone?
 - (1) Progesterone
 - (2) Glucagon
 - (3) Cortisol
 - (4) Testosterone

Answer (2)

- 39 -

Foundations List II

- Hag fish
- П. Saw fish
- III. Angel fish
- IV. Flying fish



Match List I with List II: 165.

	List-I		List-II
Α.	Lipase	Ι.	Peptide bond
В.	Nuclease	II.	Ester bond
C.	Protease	.	Glycosidic bond
D.	Amylase	IV.	Phosphodiester bond

Choose the correct answer from the options given below :

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

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

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

Answer (1)

166. Match List I with List II:

	List I		List II
Α.	Down's syndrome	١.	11 th chromosome
В.	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-III, B-IV, C-I, D-II
- (2) A-IV, B-I, C-II, D-III
- (3) A-I, B-II, C-III, D-IV
- (4) A-II, B-III, C-IV, D-I

Answer (1)

- Elfoundations 167. The "Ti plasmid" of Agrobacterium tumefaciens stands for
 - (1) Tumor inducing plasmid
 - (2) Temperature independent plasmid
 - (3) Tumour inhibiting plasmid
 - (4) Tumor independent plasmid

Answer (1)

168. 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 for 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) A is correct but R is not correct
- (2) A is not correct but R is correct
- (3) Both A and R are correct and R is the correct explanation of A
- (4) Both A and R are correct but R is NOT the correct explanation of A

Answer (3)

		$\langle \! \! \rangle$
NEET	Г (UG)-2024 (Code-T5)	Aakash
169.	Which of the following is not a component	t of Fallopian tube?
	(1) Infundibulum	(2) Ampulla
	(3) Uterine fundus	(4) Isthmus
	Answer (3)	
170.	In both sexes of cockroach, a pair of jointe	ed filamentous structures called anal cerci are present on
	(1) 8 th and 9 th segment	(2) 11 th segment
	(3) 5 th segment	(4) 10 th segment
	Answer (4)	
171.	Which one of the following factors will not	affect the Hardy-Weinberg equilibrium?
	(1) Gene migration	
	(2) Constant gene pool	
	(3) Genetic recombination	
	(4) Genetic drift	
	Answer (2)	

172. Match List I with List II :

	List I		List II
Α.	Pons	Ι.	Provides additional space for Neurons, regulates posture and balance.
В.	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 :

A-I, B-III, C-II, D-IV
 A-II, B-III, C-I, D-IV

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

60.

Answer (4)

- 173. The flippers of the Penguins and Dolphins are the example of the
 - (1) Convergent evolution
 - (2) Divergent evolution
 - (3) Adaptive radiation
 - (4) Natural selection

Answer (1)

- 174. 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) B-D-E-C-A (2) E-A-D-B-C
- (3) E-C-A-D-B (4) A-E-C-B-D

Answer (3)

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

Answer (4)

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

Answer (2)

- 177. Which of the following statements is incorrect?
 - (1) Bio-reactors are used to produce small scale bacterial cultures
 - (2) Bio-reactors have an agitator system, an oxygen delivery system and foam control system

List II

- (3) A bio-reactor provides optimal growth conditions for achieving the desired product
- (4) Most commonly used bio-reactors are of stirring type

Answer (1)

178. Match List I with List II :

List I

Α.	Axoneme	I.	Centriole				
В.	Cartwheel pattern	II.	Cilia and flagella				
C.	Crista	III.	Chromosome				
D.	Satellite	IV.	Mitochondria				
Cho	Choose the correct answer from the options given below :						
(1)	A-II, B-IV, C-I, D-III	(2)	A-II, B-I, C-IV, D-III				
(3)	A-IV, B-III, C-II, D-I	(4)	A-IV, B-II, C-III, D-I				
Answer (2)							



179. Match List I with List II :

List I

List II

- Α. Fibrous joints Ι. Adjacent vertebrae, limited movement Β. Cartilaginous joints Π. Humerus and Pectoral girdle, rotational movement
- C. III. Hinge joints Skull, don't allow any movement
- D. Ball and socket joints IV. Knee, help in locomotion

Choose the correct answer from the options given below :

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

Answer (2)

180. Given below are some stages of human evolution.

Arrange them in correct sequence. (Past to Recent)

- Α. Homo habilis
- Β. Homo sapiens
- C. Homo neanderthalensis
- D. Homo erectus

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

Medicalli

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

Answer (2)

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

Answer (4)

- 182. Following are the stages of cell division :
 - Α. Gap 2 phase
 - Β. Cytokinesis
 - C. Synthesis phase
 - D. Karyokinesis

Choose the correct sequence of stages from the options given below : (1) B-D-E-A-C

- (3) C-E-D-A-B

Answer (2)

- 183. Which of the following is not a natural/traditional contraceptive method?
 - (1) Lactational amenorrhea
 - (3) Coitus interruptus

(2) Vaults

(4) E-B-D-A-C

(4) Periodic abstinence

Answer (2)

184. Match List I with List II :

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

Choose the correct answer from the options given below:

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

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



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

- (1) Low pCO_2 and High H⁺ concentration
- (2) Low pCO₂ and High temperature
- (3) High pO_2 and High pCO_2
- (4) High pO₂ and Lesser H⁺ concentration

Answer (4)

SECTION-B

186. 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) Statement I is correct but Statement II is incorrect.
- (2) Statement I is incorrect but Statement II is correct.
- (3) Both Statement I and Statement II are correct.
- (4) Both Statement I and Statement II are incorrect.

Answer (3)

187. Match List I with List II :

	List I		List II
Α.	P wave	I.	Heart muscles are electrically silent.
В.	QRS complex	П.	Depolarisation of ventricles.
C.	T wave	III.	Depolarisation of atria.
D.	T-P gap	IV.	Repolarisation of ventricles.

Choose the correct answer from the options given below :

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

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

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

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

Answer (4)

^{188.} Given below are two statements:

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

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

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

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

Answer (1)



189. Match List I with List II:

	List I		List II
Α.	Unicellular glandular epithelium	I.	Salivary glands
В.	Compound epithelium	II.	Pancreas
C.	Multicellular glandular epithelium	III.	Goblet cells of alimentary canal
D.	Endocrine glandular epithelium	IV.	Moist surface of buccal cavity

Choose the correct answer from the options given below:

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

Answer (1)

190. Match List I with List II related to digestive system of cockroach.

	List I		List II			
Α.	The structures used for storing of food	Ι.	Gizzard			
В.	Ring of 6-8 blind tubules at junction of foregut a	and midgut. II.	Gastric Caeca			
C.	Ring of 100-150 yellow coloured thin filaments of midgut and hindgut.	at junction III.	Malpighian tubules			
D.	The structures used for grinding the food.	IV.	Сгор			
Choose the correct answer from the options given below:						
(1)	A-IV, B-III, C-II, D-I					
(2)	2) A-III, B-II, C-IV, D-I					
(3)	(3) A-IV, B-II, C-III, D-I					
(4) A-I, B-II, C-III, D-IV						
Answer (3)						
Match List I with List II:						
	List List	· II				

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

Answer (3)

191. Match List I with List II:

	List I		List II
Α.	Mesozoic Era	I.	Lower invertebrates
В.	Proterozoic Era	II.	Fish & Amphibia
C.	Cenozoic Era	111.	Birds & Reptiles
D.	Paleozoic Era	IV.	Mammals

Choose the correct answer from the options given below :

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

Answer (2)

192. Given below are two statements:

Statement I: Mitochondria and chloroplasts both double membranes bound organelles.

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

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

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

Answer (1)

193. 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

Β.

D.

I^BI^B/I^AI^A/ii

I^Ai∕I^Bi∕I^Ai

(2) D & E only

(4) B only

- A. I^Bi/I^Ai/ii
- C. I^AI^B/iI^A/I^Bi
- E. il^B/il^A/l^Al^B

Choose the most appropriate answer from the options given below :

- (1) C & B only
- (3) A only

Answer (3)

194. Match List I with List II :

	List I		List II
А.	Exophthalmic goiter	Ι.	Excess secretion of cortisol, moon face & hypergylcemia.
В.	Acromegaly	II.	Hypo-secretion of thyroid hormone and stunted growth.
C.	Cushing's syndrome	111.	Hyper secretion of thyroid hormone & protruding eye balls.
D.	Cretinism	IV.	Excessive secretion of growth hormone.

.

Choose the correct answer from the options given below :

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

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

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

Answer (2)

195. Match List I with List II:

	List I		List II
Α.	RNA polymerase III	I.	snRNPs
В.	Termination of transcription	II.	Promotor
C.	Splicing of Exons	III.	Rho factor
D.	TATA box	IV.	SnRNAs, tRNA

Choose the correct answer from the options given below :

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

Answer (2)

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



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



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

Answer (3)

- 197. The following are the statements about non-chordates:
 - A. Pharynx is perforated by gill slits.
 - 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) B, D & E only

(2) B, C & D only(4) A, B & D only

Idations

(3) A & C only

Answer (1)

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

Answer (1)

199. Given below are two statements:

Statement I: Gause's competitive exclusion principle states that two closely related species competing for different resources cannot exist indefinitely.

Statement II: According to Gause's principle, during competition, the inferior will be eliminated. This may be true if resources are limiting.

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

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

Answer (2)



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

Answer (3)



