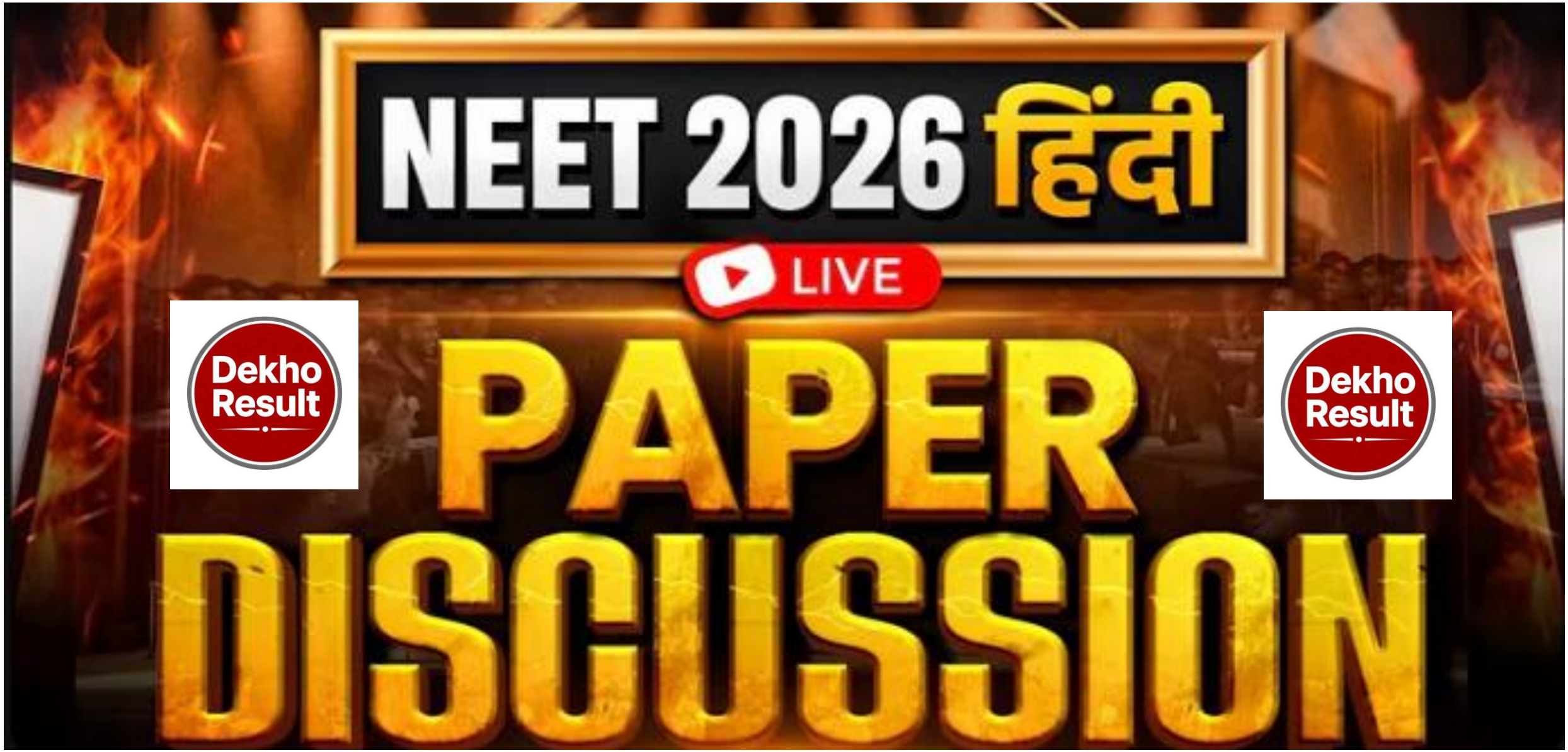

NEET 2026 हिंदी
LIVE
Dekho Result
PAPER DISCUSSION
Dekho Result

1. A 100-turn closely wound circular coil of radius 5 cm has a magnetic field of $3 \cdot 14 \times 10^{-3}$ T at its centre. The current flowing through the coil, and the magnitude of the magnetic moment of this coil are, respectively :

(Take $\mu_0 = 4\pi \times 10^{-7}$ T m/A)

(1) 2·5 A, 2 A m^2

(2) 2·5 A, 20 A m^2

(3) 2 A, 4 A m^2

(4) 2 A, 10 A m^2

2. Match List I with List II :

List I	List II
A. $E = h\nu$	I. de Broglie wavelength
B. Diffraction and Interference	II. Particle nature of light
C. $\lambda = h/p$	III. Wave nature of light
D. Compton effect	IV. Energy of photon

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

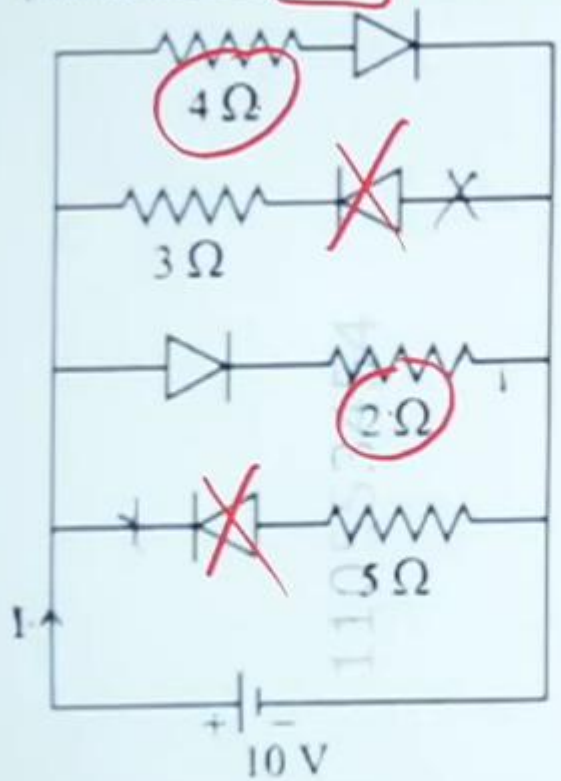
(1) A-IV, B-III, C-I, D-II

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

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

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

3. The current I in the circuit shown below is :
(All diodes are ideal and identical)



(1) $\frac{5}{3}$ A

(2) $\frac{15}{2}$ A

(3) $\frac{1}{3}$ A

(4) $\frac{5}{9}$ A

4. The speed of light in vacuum is taken as unity. If light takes 6 min 40 s to reach the Earth from the Sun, the distance between the Sun and the Earth in new unit is :

(1) 3×10^8

(2) 3×10^{10}

(3) 400

(4) 500

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5. The following plots show variation of velocity (v) with time (t), of a ball thrown vertically upward, and falling back. Which of the following plots is/are correct ?

A. 

B. 

C 

D. 

E. 

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

6. In a vernier callipers, 20 VSD coincide with 16 MSD (each division of length 1 mm). The least count of the vernier callipers is :

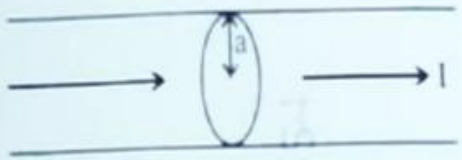
(1) 0·01 cm
(2) 0·1 cm
(3) 0·02 cm
(4) 0·2 cm

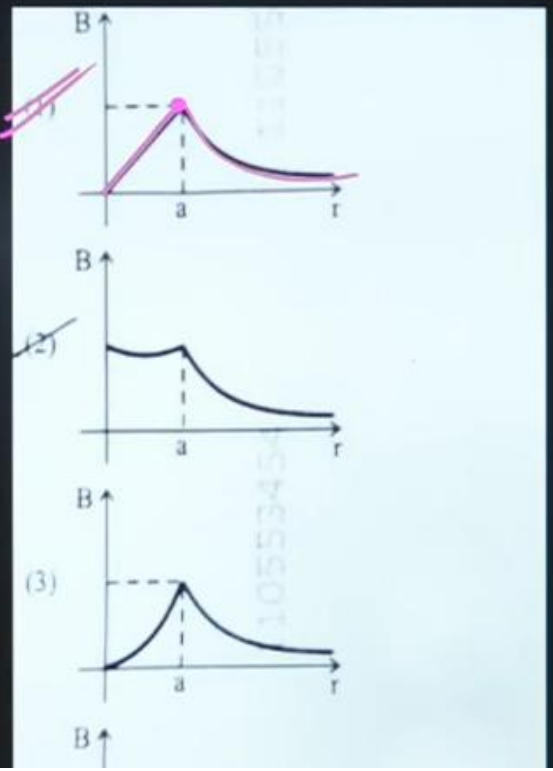
7. An ac circuit contains a resistance of 1 kΩ, a capacitor of 0·1 μF and an inductor of 1 mH connected in series. The resonance frequency of the circuit is approximately :

(1) 10·1 kHz (2) 20·7 kHz

(3) 15·9 kHz (4) 13·5 kHz

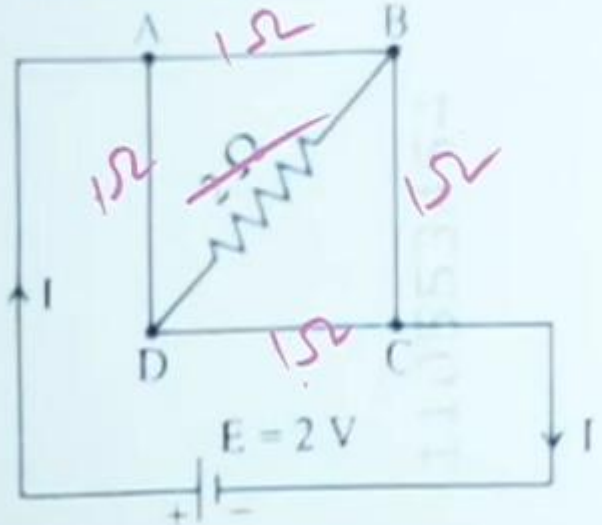
8. The figure given below shows a long straight solid wire of circular cross-section of radius 'a' carrying steady current I. The current I is uniformly distributed across its cross-section. The plot which correctly represents the variation of magnetic field (B) with distance (r) from the axis of the conductor in the region is :





(3)

9. A uniform metallic wire having resistance 4 Ω is bent to form a square loop (ABCD) (see figure). A resistance of 2 Ω is connected between points B and D and a battery of 2 V is connected across points A and C as shown in the figure. Now the value of current (I) is :



(1) 2 A
(2) 4 A
(3) 8 A
(4) 4·5 A

10. An unknown nucleus has a nuclear density of $2{\cdot}29 \times 10^{17}$ kg/m^3 and mass of $19{\cdot}926 \times 10^{-27}$ kg. Its mass number A is approximately :
(Take $R_0 = 1{\cdot}2 \times 10^{-15}$ m, $4\pi = 12{\cdot}56$)

(1) 12
(2) 19
(3) 20
(4) 16

11. A rectangular wire loop of sides 8 cm and 3 cm with a small cut, is moving out of a region of uniform magnetic field of magnitude 0·3 T directed normal to the plane of the loop. The emf developed across the cut, if the velocity of the loop is 2 cm s^{-1}, in a direction normal to the shorter side of the loop, will be :

(1) $1{\cdot}8 \times 10^{-4}$ volt
(2) $1{\cdot}2 \times 10^{-4}$ volt
(3) $1{\cdot}3 \times 10^{-4}$ volt
(4) $4{\cdot}8 \times 10^{-4}$ volt

12. A galvanometer of resistance 100 Ω gives full scale deflection for a current of 1 mA. It is converted into an ammeter of range 0 – 10 A. The shunt required is :

(1) 0·01 Ω
(2) 0·10 Ω
(3) 0·001 Ω
(4) 1·0 Ω

13. In Young's double slit experiment, using monochromatic light of wavelength λ, the intensity of light at a point on the screen where the path difference is λ is K units. The intensity of light at a point where the path difference is $\frac{\lambda}{3}$ will be :

(1) $\frac{K}{4}$
(2) K
(3) $\frac{K}{2}$
(4) 2 K

14. The magnitude and direction of the acceleration produced in a body of mass 5 kg when two mutually perpendicular forces 8 N and 6 N act on it, are respectively :

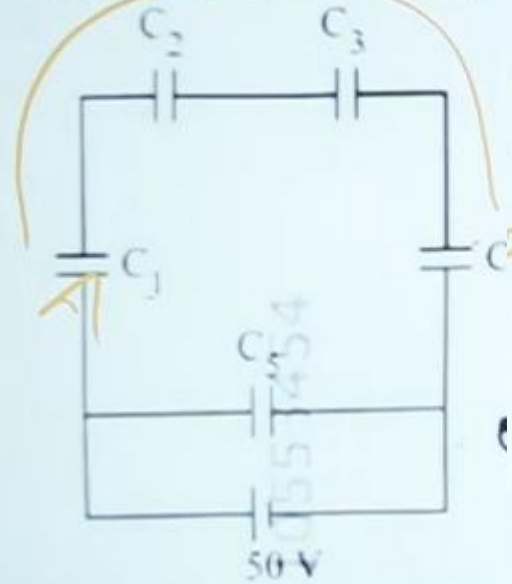
(1) $2\ m\ s^{-2}$; $\tan^{-1}(3/4)$ with 6 N force

(2) $2\ m\ s^{-2}$; $\tan^{-1}(4/3)$ with 8 N force

(3) $2\ m\ s^{-2}$; $\tan^{-1}(3/4)$ with 8 N force

(4) $20\ m\ s^{-2}$; $\tan^{-1}(4/3)$ with 8 N force

15. Five capacitors of capacitances $C_1 = C_2 = C_3 = C_4 = 10\ \mu F$ and $C_5 = 2{\cdot}5\ \mu F$ are connected as shown, along with a battery of 50 V.



The equivalent capacitance and the ch each capacitor respectively are :

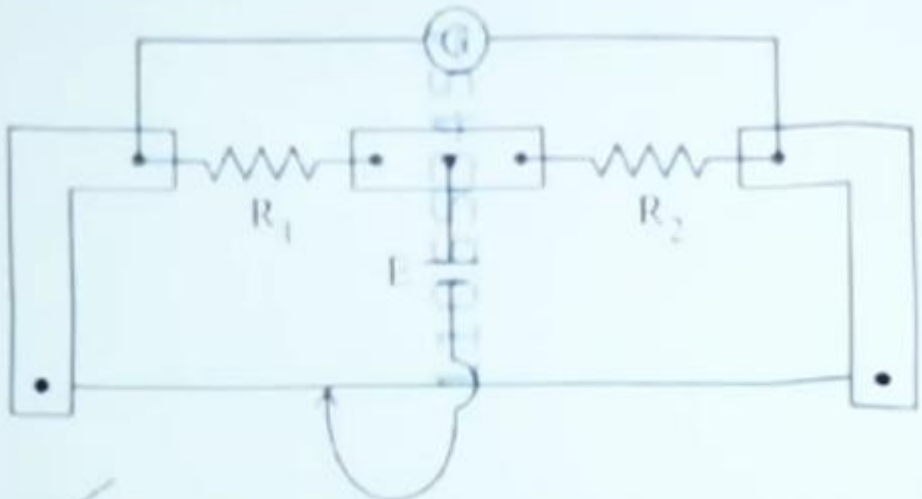
(1) 5 μF, 125 μC on all capacitors

(2) 5 μF, 250 μC on all capacitors

(3) 4 μF, 250 μC on C_1 to C_4 and 125 μC

(4) 5 μF, 125 μC on C_1 to C_4 and 25 μC o

16. In a metre bridge experiment (see figure), the positions of the cell, E, and galvanometer, G, are interchanged. We shall observe in the galvanometer :



(1) Only the right-sided deflection

(2) Only the left-sided deflection

(3) There will be no deflection irrespective of the position of the jockey

(4) Both right-sided and left-sided deflection and at balance point, no deflection

17. The power of a crane, which lifts a mass of 1000 kg to a height of 20 m in 10 s is : ($g = 9{\cdot}8\ m/s^2$)

(1) 19·6 W

(2) 39·2 W

(3) 39·2 kW

(4) 19·6 kW

18. Match List I with List II :

List I		List II	
A.	Young's Modulus	I.	$\frac{\Delta d}{\Delta L}\left(\frac{L}{d}\right)$
B.	Compressibility	II.	$\frac{F L}{A(\Delta L)}$
C.	Bulk Modulus	III.	$-\frac{1}{\Delta P}\left(\frac{\Delta V}{V}\right)$
D.	Poisson's Ratio	IV.	$-P\left(\frac{V}{\Delta V}\right)$

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

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

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

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

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

19. In a concave lens, a ray of light emanating from the object parallel to the principal axis of the lens, after refraction :

(1) emerges parallel to the principal axis.

(2) appears to diverge from the first principal focus.

(3) passes through 2F, which is the radius of curvature of the lens.

(4) passes through the second principal focus.

29. A room heater is rated 400 W, 220 V. If the supp voltage drops to 200 V, what will be the pow consumed (approximately) ?

(1) 121 W (2) 331 W

(3) 200 W (4) 400 W

96. Identify the correct statements about biomolecules.

A. Lipids are generally water soluble

B. Proteins are polypeptides

C. Polysaccharides are long chains of sugars

D. Adenine and guanine are substituted pyrimidines

E. Almost all enzymes are proteins

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

91. "The Evil Quartet" of biodiversity loss includes which of the following ?

(1) Over-exploitation; Alien species invasions; Air pollution; Co-extinctions

(2) Habitat loss and fragmentation; over-exploitation; Alien species invasions; Co-extinctions

(3) Habitat loss and fragmentation; Air pollution; Water pollution; Co-extinctions

(4) Over-exploitation; Alien species invasions; Soil pollution; Co-extinctions

98. Which of the following statements are *not* true regarding restriction endonucleases ?

A. They are called molecular scissors.

B. These are the enzymes responsible for restricting the growth of bacteriophages in *E. coli*.

C. They cut the DNA only at the centre of the palindromic sites.

D. They remove nucleotides only from the ends of DNA fragments.

E. They recognise specific palindromic base-pair sequences.

(1) A and B only

(2) D and E only

(3) C and D only

(4) A and E only

105. Alpha-helix is found in which level of protein structure ?

(1) Quaternary structure

(2) Tertiary structure

(3) Primary structure

(4) Secondary structure

106. Which of the following statements are correct regarding amino acids ?

A. They are substituted methanes.

B. Serine is an aromatic amino acid.

C. Valine is a neutral amino acid.

D. Lysine is an acidic amino acid.

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

110. Match List I with List II :

List I	List II
A. Genetically modified organism	I. *Agrobacterium tumefaciens*
B. Thermostable DNA polymerase	II. Bt cotton
C. Ti plasmid	III. *Thermus aquaticus*
D. pBR322	IV. *Escherichia coli*

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

119. Identify the **correct** sequence of steps in each cycle of Polymerase Chain Reaction :

(1) Denaturation → Annealing → Extension

(2) Denaturation → Extension → Annealing

(3) Extension → Annealing → Denaturation

(4) Annealing → Denaturation → Extension

120. Which of the following statements are correct with respect to DNA separation, isolation and visualization ?

A. The cutting of DNA is done by molecular scissors.

B. The DNA fragments separate according to their size in an agarose gel, upon electrophoresis.

C. The separated DNA fragments can be seen without staining when exposed to UV light.

D. The separated DNA fragments, when stained with ethidium bromide, can be seen in visible light.

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

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

127. Arrange the following steps of somatic hybridisation in a correct sequence.

A. Digestion of cell walls.

B. Isolation of naked protoplasts.

C. Fusion of protoplasts to get hybrid protoplast.

D. Isolation of single cells from two different varieties of plants.

E. Growing of hybrid protoplast to form a new plant.

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

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

130. Match List I with List II :

List I	List II
A. Trypsin	I. Intercellular substance
B. Morphine	II. Lectin
C. Concanavalin A	III. Enzyme
D. Collagen	IV. Alkaloid

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

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

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

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

136. Insertion of a foreign DNA at BamHI site in an *E. coli* cloning vector pBR322 results in the loss of antibiotic resistance towards :

(1) Gentamycin

(2) Ampicillin and tetracycline

(3) Tetracycline

(4) Ampicillin

138. Choose the correct statement regarding GIFT to overcome infertility.

(1) Ova collected from a female donor are transferred to the uterus of an infertile female.

(2) It is the transfer of an ovum collected from a donor into the fallopian tube of another female who cannot produce ovum but can provide suitable environment for fertilization and development.

(3) Early embryos with up to 8 blastomere transferred to the uterus of an in female.

(4) Early embryos with up to 8 blastomere transferred into the fallopian tube infertile female.

140. Evolution of human appears parallel to the progressive development of brain and language skills. As such, the evolution of individual species in the sequence of their appearance is :

(1) *Homo habilis* → *Homo erectus* → *Ramapithecus* → Neanderthal → *Homo sapiens*

(2) *Ramapithecus* → *Homo habilis* → *Homo erectus* → Neanderthal → *Homo sapiens*

(3) *Homo sapiens* → *Ramapithecus* → *Homo habilis* → Neanderthal → *Homo erectus*

(4) Neanderthal → *Ramapithecus* → *Homo habilis* → *Homo erectus* →

141. Match List I with List II related to embryonic development at various months of pregnancy :

List I	List II
A. The foetus movement starts and hair appears on the head	I. 24 weeks of pregnancy
B. The foetus develops limbs and digits	II. 20 weeks of pregnancy
C. The foetus develops external genital organs	III. 8 weeks of pregnancy
D. The foetus body is covered with fine hair; eyelids separate and eyelashes are formed	IV. 12 weeks of pregnancy

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

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

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

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

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

142. A group of researchers procured some fish-like animals and upon investigation the following characters were observed :

A. Endoskeleton was made of cartilage.

B. Ectoparasitic; as they were found attached on fish skin with their circular sucking mouth.

C. Paired fins and scales were absent, but 7 pairs of gill slits were present.

Which of the following species of animals did they consider to fit best with these characters ?

(1) *Exocoetus* sp.

(2) *Branchiostoma* sp.

(3) *Petromyzon* sp.

(4) *Scoliodon* sp.

143. Spermatogonia undergo a series of cell divisions to produce sperms. Select the correct statements from the following :

A. Spermatogonia always undergo meiotic cell division.

B. Primary spermatocytes divide mitotically to produce secondary spermatocytes.

C. Secondary spermatocytes, through their second meiotic division, produce haploid spermatids.

D. Spermatids produce spermatozoa through mitosis.

E. Spermatids transform into spermatozoa by spermiogenesis.

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

(1) C and E only

(2) A, C and E only

(3) B, C and D only

145. Arrange the following events occurring in Renin-Angiotensin mechanism in the correct order :

A. Increase in blood pressure and Glomerular filtration rate.

B. Reabsorption of Na^+ and water from distal parts of tubule due to Aldosterone.

C. Fall in Glomerular filtration rate

D. Vasoconstriction by Angiotensin II and release of Aldosterone.

E. Renin converts Angiotensinogen into Angiotensin I, followed by Angiotensin II

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

(1) C, A, B, D, E

(2) A, D, B, E, C

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

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

146. Match List I with List II :

List I (Respiratory Volume)		**List II (Capacity in mL)**
A. ERV (Expiratory Reserve Volume)	I.	2500 – 3000 mL
B. RV (Residual Volume)	II.	500 mL
C. IRV (Inspiratory Reserve Volume)	III.	1000 – 1100 mL
D. TV (Tidal Volume)	IV.	1100 – 1200 mL

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

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

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

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

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

147. Match List I with List II :

List I	List II
A. Progestasert	I. Barrier made of rubber used by females
B. Multiload 375	II. Oral contraceptive
C. Diaphragm	III. Hormone releasing IUD
D. Saheli	IV. Copper releasing IUD

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

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

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

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

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

150. The flightless bird with forelimbs modified as paddle-like structures suited for swimming is known as :

(1) *Struthio*

(2) *Psittacula*

(3) *Neophron*

(4) *Aptenodytes*

153. Select the set of fishes which belong to the class Osteichthyes :

(1) Devil fish, Cuttlefish and Hagfish

(2) Starfish, Hagfish and Cuttlefish

(3) Flying fish, Angel fish and Fighting fish

(4) Saw fish, Fighting fish and Dog fish

155. The WBC count of a person's blood sample is 8000/cu.mm. How many eosinophils and lymphocytes would be in the same blood sample approximately ?

(1) 160 – 240/cu.mm and 1600 – 2000/cu.mm, respectively

(2) 100 – 120/cu.mm and 160 – 200/cu.mm, respectively

(3) 300 – 500/cu.mm and 500 – 700/cu.mm, respectively

(4) 300 – 500/cu.mm and 1200 – 1500/cu.mm, respectively

156. The toxin proteins isolated from *Bacillus thuringiensis*, coded by which of the following genes would control cotton bollworms and corn borer, respectively ?

(1) *cryIAc* and *cryIIIAb*

(2) *cryIAc* and *cryIIAb*

(3) *cryIAc* and *cryIAb*

(4) *cryIIAb* and *cryIAc*

159. In which animal do haploid cells divide mitotically to produce gametes ?

(1) Male honeybees

(2) Male grasshoppers

(3) Male earthworms

(4) Male frogs

157. Match List I with List II :

List I (Drug)	List II (Effect)
A. Nicotine	I. Causes sense of euphoria and increased energy
B. Morphine	II. Stimulates adrenal gland to release catecholamines into blood circulation
C. Heroin	III. Effective sedative and painkiller
D. Cocaine	IV. A depressant, slows down body function

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

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

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

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

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

158. Match List I with List II related to muscular/skeletal system :

List I	List II
A. Tetany	I. Inflammation of joints
B. Arthritis	II. Autoimmune disorder affecting neuromuscular junction
C. Myasthenia gravis	III. Wild contraction in muscle due to low Ca^{++} in body fluid
D. Muscular dystrophy	IV. Progressive degeneration of skeletal muscle

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

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

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

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

160. In humans, respiration occurs in the following steps. Arrange these steps in the correct order.

A. Diffusion of O_2 and CO_2 between blood and tissues

B. Diffusion of O_2 and CO_2 across alveolar membrane

C. Pulmonary ventilation by which atmospheric air is drawn in and CO_2 rich alveolar air is released out

D. Cellular respiration

E. Transport of gases by the blood

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

(1) A, B, C, D, E

(2) E, A, C, D, B

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

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

161. Arrange the following cell layers/structures around the female gamete, from outer to inner side :

A. Zona pellucida

B. Perivitelline space

C. Corona radiata

D. Plasma membrane of ovum

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

(1) C, A, D, B

(2) C, A, B, D

(3) D, B, A, C

(4) A, C, B, D

162. The human protein named α-1-antitrypsin, obtained from transgenic animals, is used for the treatment of _____.

(1) Alzheimer's disease

(2) Emphysema

(3) Rheumatoid arthritis

(4) Cystic fibrosis

164. Male frogs can be distinguished from female frogs due to the presence of :

A. Bulging eyes

B. Vocal sacs

C. Webbed digits in feet

D. Copulatory pad on first digit of fore limbs

E. Olive green-coloured skin with dark irregular spots

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

(1) B and D only

(2) B and C only

(3) A and B only

(4) C and E only

166. Choose the correct statements regarding frog's anatomy :

A. Hepatic portal system is the special venous connection between liver and intestine.

B. There are twelve pairs of cranial nerves arising from the brain.

C. The ureters and oviducts open separately into the cloaca in female frogs.

D. Hind-brain consists of cerebellum, medulla oblongata and optic-lobes.

E. Sinus venosus joins the right atrium of heart.

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

(1) B and D only

(2) A, C and E only

(3) A, B and C only

(4) B and C only

167. Select the ***incorrect*** statements with reference to Rh grouping.

A. Erythroblastosis foetalis is a condition observed having foetus with Rh^{-ve} blood and mother with Rh^{+ve} blood.

B. Rh antigen is observed on RBCs in the majority of human beings.

C. Before blood transfusion, Rh group should also be matched.

D. Rh incompatibility is observed when a pregnant mother is Rh^{-ve} and the foetus is Rh^{+ve}.

E. Erythroblastosis foetalis can be avoided by administering anti-Rh antibodies to the mother immediately after the delivery of the second child.

Choose the answer from the options given below :

(1) A and E only

(2) A and B only

(3) B and C only

(4) C and D only

68. Which of the following statements are correct with reference to human endoskeleton ?

A. Human skull is monocondylic.

B. The joint between any two adjoining vertebrae is a cartilaginous joint.

C. In human beings, the number of cervical vertebrae is seven.

D. All ribs except the last 2 pairs are bicephalic.

E. The occipital bone of skull is articulated with atlas vertebra.

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

(1) A, B and D only (2) B and E only

(3) B, C and E only (4) C, D and E only

69. Match List I with List II :

List I	List II
A. Cortisol	I. Stimulates the formation of alveoli in mammary glands
B. Aldosterone	II. Produces anti-inflammatory reactions
C. Cholecystokinin	III. Stimulates reabsorption of Na^+ and water from renal tubule
D. Progesterone	IV. Stimulates secretion of pancreatic enzymes and bile juice

170. The following are the stages of life cycle of *Plasmodium*. Arrange the stages in the proper order.

A. The parasites reproduce asexually in RBCs, bursting the cells.

B. The parasites reproduce asexually in liver cells, bursting the cells and releasing into blood.

C. Gametocytes develop in RBCs.

D. Sporozoites reach the liver through the blood.

E. Female mosquito injects sporozoites into humans during bite.

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

(1) A, B, C, D, E (2) E, D, B, A, C

96. जैव-अणुओं के विषय में सही कथनों की पहचान कीजिए।

A. लिपिड सामान्यत: जल में घुलनशील होते हैं

B. प्रोटीन पॉलिपेप्टाइड होते हैं।

C. पॉलिसैकैराइड, शर्करा की लम्बी श्रृंखलाएँ होती हैं।

D. ऐडेनीन और ग्वानीन प्रतिस्थापित पिरिमीडीन होते हैं।

E. लगभग सभी एंज़ाइम प्रोटीन होते हैं।

नीचे दिए गए विकल्पों में से **सही** उत्तर का चयन कीजिए :

(1) केवल C, D और E

(2) केवल B, C और E

(3) केवल B, D और E

(4) केवल A, B और C

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