



Sri Chaitanya
Educational Institutions

NEET 2026 – Q.Paper & Key

Instructions:

Date: 03rd May 2026

1. The Answer Sheet is inside this Test Booklet. When you are directed to open the Test Booklet, take out the Answer Sheet and fill in the particulars on ORIGINAL Copy carefully with **blue/black** ball point pen only.
2. The test is of **3 hours** duration and the Test Booklet contains **180** multiple-choice questions (4 options with a single correct answer) from **Physics, Chemistry** and **Biology (Botany and Zoology)**.
3. Wherever the symbols/constants are not mentioned, they are to be considered as per their standard meaning/value.
4. Each question carries 4 marks. For each correct response, the candidate will get 4 marks. For each incorrect response, one mark will be deducted from the total scores. **The maximum marks are 720.**
5. Use **Blue/Black Ball Point Pen only** for writing particulars on this page/marking responses on the Answer Sheet.
6. Rough work is to be done in the space provided for this purpose in the Test Booklet only.
7. On completion of the test, the candidate must hand over the **Answer Sheet (ORIGINAL and OFFICE Copy) to the Invigilator** before leaving the Room/Hall. The candidates are allowed to take away this Test Booklet with them.
8. **The CODE for this Booklet is "12". Make sure to enter this Booklet code in the OMR Answer Sheet.**
9. The candidates should ensure that the Answer Sheet is not folded. Do not make any stray marks on the Answer Sheet. Do not write your Roll No. anywhere else except in the specified space in the Test Booklet/Answer Sheet.
10. Use of white fluid for correction is not permissible on the Answer Sheet.
11. Each candidate must show on demand his/her Admit Card to the Invigilator.
12. No candidate, without special permission of the Centre Superintendent or Invigilator, should leave his/her seat.
13. The candidates should not leave the Examination Hall without handing over their Answer Sheet to the Invigilator on duty and sign (with time) the Attendance Sheet twice. **Cases, where a candidate has not signed the Attendance Sheet a second time, will be deemed not to have handed over the Answer Sheet and dealt with as an Unfair Means case.**
14. Use of Electronic/Manual Calculator is prohibited.
15. The candidates are governed by all Rules and Regulations of the examination with regard to their conduct in the Examination Room/Hall. All cases of unfair means will be dealt with as per the Rules and Regulations of this examination along with Public Examinations (Prevention of Unfair Means) Act, 2024.
16. **No part of the Test Booklet and Answer Sheet shall be detached under any circumstances.**
17. The candidates will write the Correct Test Booklet Code as given in the Test Booklet/Answer Sheet in the Attendance Sheet.
18. If a candidate marks more than one answer for a question in the **OMR Answer Sheet**, it will be treated as incorrect and negative marking will be applicable.

1. A 100-turn closely wound circular coil of radius 5 cm has a magnetic field of $3.14 \times 10^{-3} \text{ T}$ at its centre. The current flowing through the coil, and the magnitude of the magnetic moment of this coil are, respectively:

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

- (1) 2.5 A, 2 Am^2 (2) 2.5 A, 20 Am^2
 (3) 2 A, 4 Am^2 (4) 2 A, 10 Am^2

Key: (1)

2. Match List I with List II :

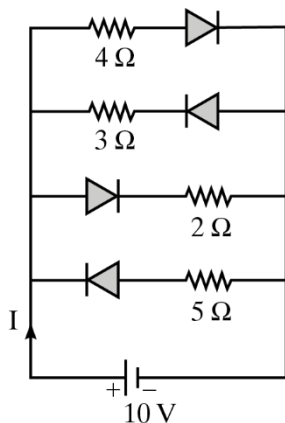
List I	List II
A. $E = h\nu$	I. de Broglie wavelength
B. Diffraction and Interference	II. Particle nature of light
C. $\lambda = h/p$	III. Wave nature of light
D. Compton effect	IV. Energy of photon

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

Key: (1)

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



- (1) $\frac{5}{3} \text{ A}$ (2) $\frac{15}{2} \text{ A}$
 (3) $\frac{1}{3} \text{ A}$ (4) $\frac{5}{9} \text{ A}$

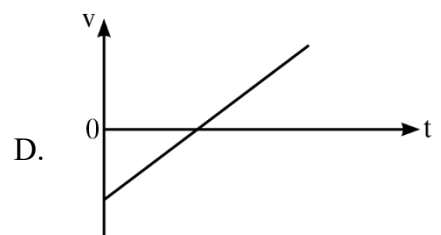
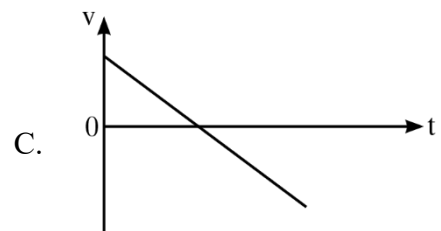
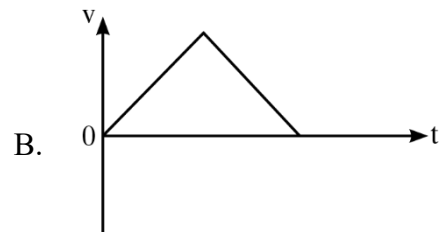
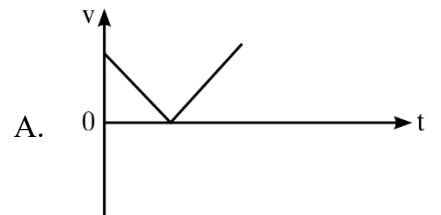
Key: (2)

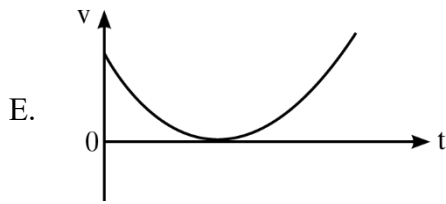
4. The speed of light in vacuum is taken as unity. If light takes 6 min 40 s to reach the Earth from the Sun, the distance between the Sun and the Earth in new unit is :

- (1) 3×10^8 (2) 3×10^{10}
 (3) 400 (4) 500

Key: (3)

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?





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

Key: (1)

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

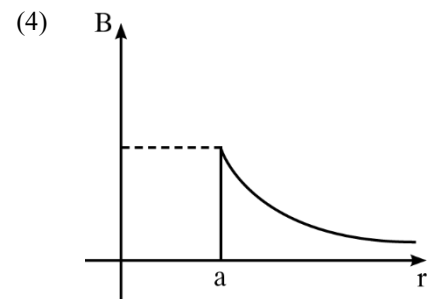
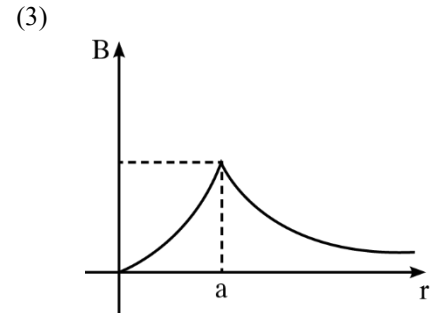
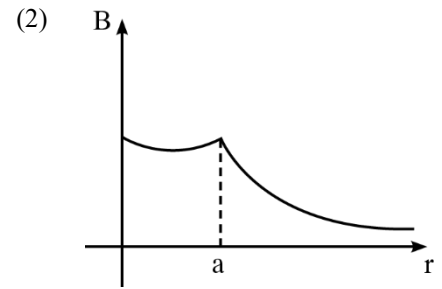
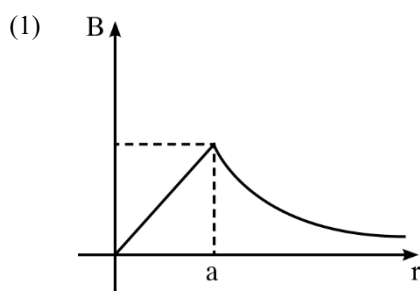
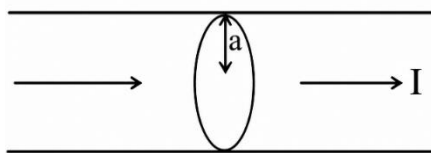
Key: (3)

7. An ac circuit contains a resistance of $1k\Omega$, a capacitor of $0.1\mu F$ and an inductor of $1mH$ 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

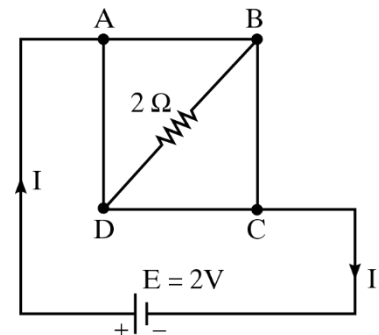
Key: (3)

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:



Key: (1)

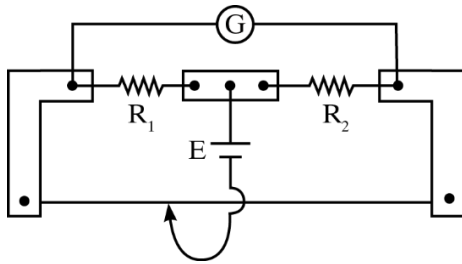
9. A uniform metallic wire having resistance 4Ω is bent to form a square loop (ABCD) (see figure). A resistance of 2Ω is connected between points B and D and a battery of $2V$ is connected across points A and C as shown in the figure. Now the value of current (I) is:



- (1) 2 A
- (2) 4 A
- (3) 8 A
- (4) 4.5 A

Key: (1)

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

Key: (4)

17. The power of a crane, which lifts a mass of 1000 kg to a height of 20 m in 10 s is: ($g = 9.8 \text{ m/s}^2$)

- (1) 19.6 W (2) 39.2 W
- (3) 39.2 kW (4) 19.6 kW

Key: (4)

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.	$\frac{FL}{A(\Delta L)}$
C. Bulk Modulus III.	$-\frac{1}{\Delta P} \left(\frac{\Delta V}{V} \right)$
D. Poission'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

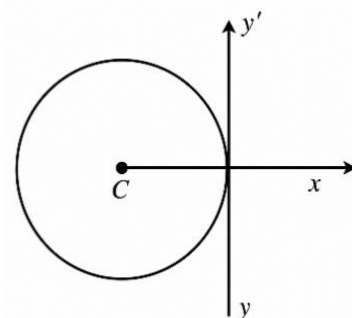
Key: (4)

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.

Key: (2)

20. A thin wire of length ' L ' and linear mass density ' m ' is bent into a circular ring (in $x - y$ plane) with centre ' C ' as shown in figure. The moment of inertia of the ring about an axis yy' will be:



- (1) $\frac{3mL^3}{8\pi^2}$ (2) $\frac{3mL^3}{8\pi}$
- (3) $\frac{3mL^2}{8\pi^2}$ (4) $\frac{3mL^2}{8\pi}$

Key: (1)

21. Each side of a metallic cube of mass 5.580 kg is measured to be 9.0 cm. Keeping the significant figures in view, the density of the material of the cube can be best expressed as $X \times 10^3 \text{ kg m}^{-3}$, where the value of X is:

- (1) 7.654
- (2) 7.7
- (3) 7.65
- (4) 7.6

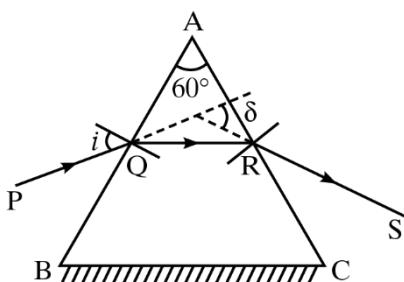
Key: (4)

22. For a travelling harmonic wave $y(x, t) = 2.0 \cos 2\pi(10t - 0.0080x + 0.35)$, where x and y are in cm and t in s. The phase difference between oscillatory motion of two points separated by a distance of 0.5 m is:

- (1) 8π rad
- (2) 0.08π rad
- (3) 0.008π rad
- (4) 0.8π rad

Key: (4)

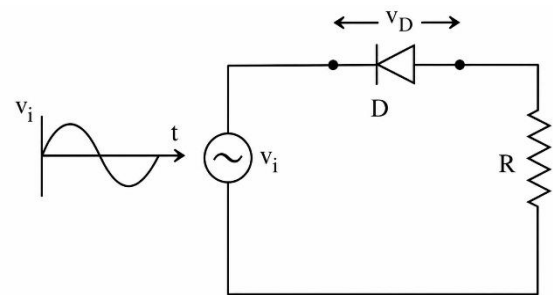
23. A ray of monochromatic light is passing through an equilateral prism (ABC) as shown in the figure. The refracted ray (QR) is parallel to its base (BC) and the angle of incidence (i) is 50° . Then the angle of deviation (δ) is:



- (1) 40°
- (2) 45°
- (3) 55°
- (4) 35°

Key: (1)

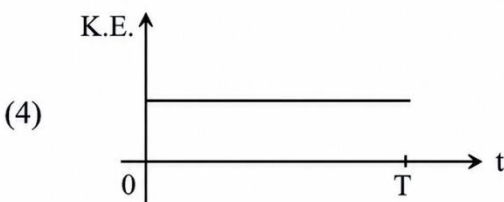
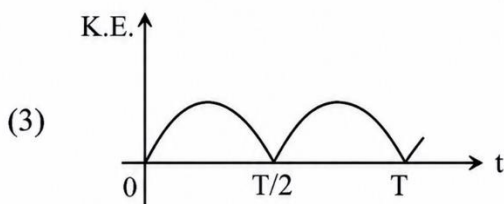
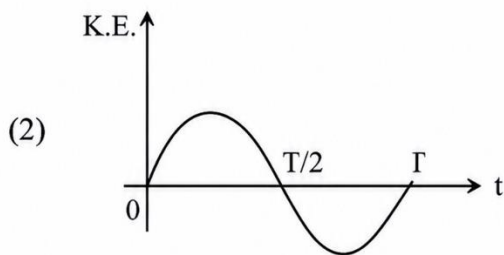
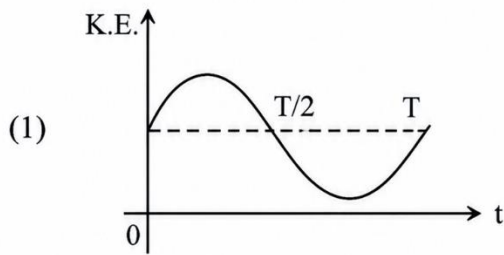
24. In the circuit shown below, the voltage appearing across the diode D will be of the form:



- (1)
- (2)
- (3)
- (4)

Key: (2)

25. For a simple pendulum, having time period T , the variation of kinetic energy (K.E.) with time (1) is represented by:



Key: (3)

26. A resistor is connected to a battery of 12 V emf and internal resistance $2\ \Omega$. If the current in the circuit is 0.6 A, the terminal voltage of the battery is

- (1) 10 V
- (2) 10.8 V
- (3) 12 V
- (4) 1.2 V

Key: (2)

27. The amount of work done to raise a mass ' m ' from the surface of the Earth to a height equal to the radius of the Earth ' R ', will be:

- (1) $2\ mg\ R$
- (2) $mg\ R$
- (3) $mg\ \frac{R}{4}$
- (4) $mg\ \frac{R}{2}$

Key: (4)

28. An electric heater supplies heat to a system at a rate of 100 W. If the system performs work a rate of 75 J/s, then the rate at which internal energy increases will be:

- (1) 125 W
- (2) 100 W
- (3) 25 W
- (4) 75 W

Key: (3)

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

- (1) 121 W
- (2) 331 W
- (3) 200 W
- (4) 400 W

Key: (2)

30. When a ruler falls vertically, 5 different person catch it with different reaction times. ($g = 9.8\text{ms}^{-2}$)

- A. Person A has reaction time of 0.20 s
- B. Person B has reaction time of 0.22 s.
- C. Person C has reaction time of 0.18 s.
- D. Person D has reaction time of 0.19 s.
- E. Person E has reaction time of 0.21 s.

What is the **correct** order of the distance travelled by the ruler for each person?

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

Key: (4)

31. Consider two uncharged capacitors of equal capacitance 200 pF. One of them is charged by a 100 V supply and disconnected. Now this capacitor is connected to the uncharged capacitor. The amount of electrostatic energy lost in the process is:
- (1) $1.0 \times 10^{-6} \text{ J}$
 - (2) $0.5 \times 10^{-6} \text{ J}$
 - (3) 0.5 J
 - (4) 1.0 J

Key: (2)

32. Savitha, a XI standard student, while conducting an experiment to determine the effective length of a simple pendulum L, notes down the data of time taken to complete 30 oscillations as 60 s and hence calculates the length of the simple pendulum as:

(Take $\pi^2 = 9.8$, and $g = 9.8 \text{ m/s}^2$)

- (1) 2 m
- (2) 0.75 m
- (3) 1.5 m
- (4) 1 m

Key: (4)

33. The peak value of an alternating current is 5 A and frequency is 60 Hz. How long will the current, starting from zero, take to reach the peak value?

- (1) $\frac{1}{240} \text{ s}$
- (2) $\frac{1}{30} \text{ s}$
- (3) $\frac{1}{120} \text{ s}$
- (4) $\frac{1}{60} \text{ s}$

Key: (1)

34. In interference and diffraction, the light energy is redistributed. If it reduces in one region, producing a dark fringe it increases in another region producing a bright fringe.
- A. As there is no gain or loss of energy, these phenomena are consistent with the principle of conservation of energy.
 - B. Diffraction and interference are characteristics exhibited only by light waves.

Choose the correct answer from the options given below:

- (1) A is true, but B is false
- (2) A is true and B is also true
- (3) A is false, but B is true
- (4) Both A and B are false

Key: (1)

35. A box of mass 15 kg is kept on the floor of stationary trolley. The coefficient of static friction between the box and the trolley is 0.12. Keeping the box in stationary state over the trolley, the maximum acceleration with which the trolley can be moved horizontally in ms^{-2} is ($g = 10 \text{ m/s}^2$)

- (1) 1.5
- (2) 1.8
- (3) 2.1
- (4) 1.2

Key: (4)

36. The sum of kinetic energy and potential energy of a simple pendulum bob is 0.02 joule. The speed of the simple pendulum bob at equilibrium position is approximately:

(consider mass of the bob = 20g)

- (1) 1.41 m/s
- (2) 14.1 m/s
- (3) 0.2 m/s
- (4) 2.0 m/s

Key: (1)

37. Four statements are given (A is mass number):

- A. The volume of a nucleus is proportional to $A^{1/3}$.
- B. The volume of a nucleus is proportional to A.
- C. The difference in mass of an atom and its nucleus is called the mass defect.
- D. The difference in mass of a nucleus and its constituents is called the mass defect.

Choose the correct answer from the options given below:

- (1) B and D are true but A and C are false
- (2) A and D are true. but B and C are false
- (3) A and C are true, but B and D are false
- (4) B and C are true, but A and D are false

Key: (1)

38. The angular speed of a flywheel is increased from 600 rpm to 1200 rpm in 10s. The number of revolutions completed by the flywheel during this time is:

- (1) 600 (2) 900
- (3) 300 (4) 150

Key: (4)

39. A submarine is designed to withstand an absolute pressure of 100 atm. How deep can it go below the water surface? (Consider the density-of water =1000 kg m⁻³, 1 atm = 1 × 10⁵ Pa and gravitational acceleration g = 10 m/s²).

- (1) 9900 m (2) 99 m
- (3) 9000 m (4) 990 m

Key: (4)

40. Match List I with List II:

List I (Electromagnetic Wave)	List II (Production)
A. Microwave	I. Electrons in atoms emit light when they move from a higher energy level to a lower energy level
B. Visible light	II. Radioactive decay of nucleus
C. Gamma rays	III. Vibration of atoms and molecules
D. Infra-red rays	IV. Klystron valve or magnetron valve

Choose the correct answer from the options given below:

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

Key: (4)

41. Which of the following statements are correct?

- A. Inside a conductor, the electrostatic field is zero.
- B. Electric field at the surface of a charged conductor does not depend on its surface charge density.
- C. The interior of a charged conductor can have no excess charge in the static situation.

- D. At the surface of a charged conductor, the electrostatic field must be normal to the surface at every point.
- E. The electrostatic potential is zero everywhere inside a charged conductor.

Choose the correct answer from the options given below:

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

Key: (3)

42. For a metal of work function 6.6 eV, which of the following wavelengths of incident radiation does *not* give rise to the photoelectric effect? (Take Planck's constant as 6.6×10^{-34} J s)

- (1) 200 nm
 (2) 150 nm
 (3) 100 nm
 (4) 50 nm

Key: (1)

43. In the first excited state of hydrogen atom, the energy of its electron is -3.4 eV. The radial distance of the electron from the hydrogen nucleus in this case is approximately _____ :

(Take $1 \text{ eV} = 1.6 \times 10^{-19} \text{ J}$, $e = 1.6 \times 10^{-19} \text{ C}$ and $\frac{1}{4\pi\epsilon_0} = 9 \times 10^9 \text{ Nm}^2/\text{C}^2$)

- (1) $2.1 \times 10^{-8} \text{ m}$
 (2) $2.1 \times 10^{-11} \text{ m}$
 (3) $2.1 \times 10^{-9} \text{ m}$
 (4) $2.1 \times 10^{-10} \text{ m}$

Key: (4)

44. Two statements are given below:

- A. When the forward bias voltage across a p-n junction diode increases above a certain threshold voltage, the diode current increases significantly.
- B. This current is called reverse saturation current.

Choose the correct answer from the options given below:

- (1) Both Statements A and B are false
 (2) Statement A is true, but Statement B is false
 (3) Both Statements A and B are true
 (4) Statement A is false, but Statement B is true

Key: (2)

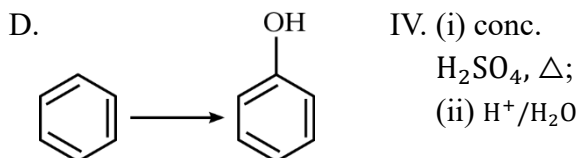
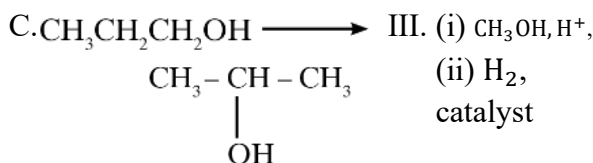
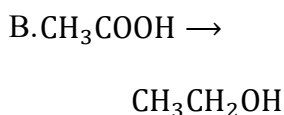
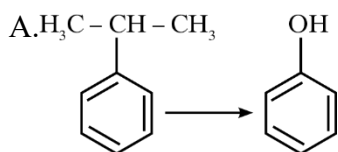
45. A flask contains argon and chlorine in the ratio of 2:1 by mass. The temperature of the mixture is 27°C . The ratio of root mean square speed of the molecules of the two gases $\left(\frac{v_{\text{rms}}^{\text{Ar}}}{v_{\text{rms}}^{\text{Cl}}}\right)$ is:

(Atomic mass of argon = $40 \cdot 0 \text{ u}$ and molecular mass of chlorine = $70 \cdot 0 \text{ u}$)

- (1) $\frac{\sqrt{7}}{2}$
 (2) $\frac{7}{2}$
 (3) $\frac{7}{4}$
 (4) $\frac{\sqrt{2}}{7}$

Key: (1)

46. Match List I with List II

List I**List II**

- I. (i) oleum
 (ii) NaOH, Δ
 (iii) H^+

- II. (i) O_2 ;
 (ii) $\text{H}_2\text{O}/\text{H}^+$

- III. (i) $\text{CH}_3\text{OH}, \text{H}^+$,
 (ii) H_2 ,
 catalyst

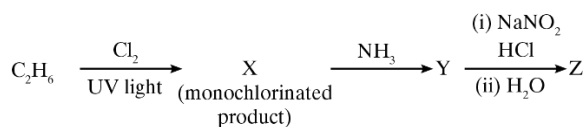
- IV. (i) conc.
 $\text{H}_2\text{SO}_4, \Delta$;
 (ii) $\text{H}^+/\text{H}_2\text{O}$

Choose the correct answer from the options given below:

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

Key: (4)

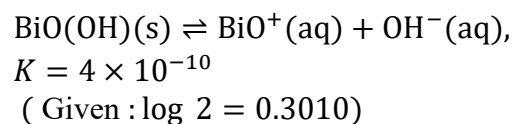
47. The major product Z formed in the following sequence of reactions is:



- (1) $\text{C}_2\text{H}_5-\text{N}=\text{N}-\text{OH}$
 (2) $\text{C}_2\text{H}_5\text{OH}$
 (3) $\text{C}_2\text{H}_5\text{NO}_2$
 (4) $\text{C}_2\text{H}_5\text{NH}_2$

Key: (2)

48. In a qualitative analysis Bi^{3+} is detected by appearance of precipitate of $\text{BiO}(\text{OH})(\text{s})$. Calculate pH when the following equilibrium exists at 298 K:



- (1) 4.699 (2) 8.714
 (3) 9.301 (4) 5.286

Key: (3)

49. When 1 dm^3 of CO_2 gas is passed over hot coke, the volume of gaseous mixture after complete reaction at STP becomes 1.4 dm^3 . The composition of the gaseous mixture at STP is:

- (1) 0.6 dm^3 of CO, 0.8 dm^3 of CO_2
 (2) 0.8 dm^3 of CO, 0.8 dm^3 of CO_2
 (3) 0.8 dm^3 of CO, 0.6 dm^3 of CO_2
 (4) 0.6 dm^3 of CO, 0.4 dm^3 of CO_2

Key: (3)

50. Match List I with List II

List I
(Quantum numbers)

‘n’ ‘l’

List II
(Orbital)

- | | | | | |
|----|---|---|------|----|
| A. | 2 | 1 | I. | 3d |
| B. | 4 | 0 | II. | 2p |
| C. | 5 | 3 | III. | 4s |
| D. | 3 | 2 | IV. | 5f |

Choose the correct answer from the options given below:

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

Key: (1)

56. Match List I with List II.

List I (Order of reaction)	List II Unit of rate constant
A. Zero order	I. $\text{Mol}^{-1} \text{L s}^{-1}$
B. First order	II. $\text{Mol}^{-2} \text{L}^2 \text{s}^{-1}$
C. Second order	III. s^{-1}
D. Third order	IV. $\text{Mol L}^{-1} \text{s}^{-1}$

Choose the correct answer from the options given below.

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

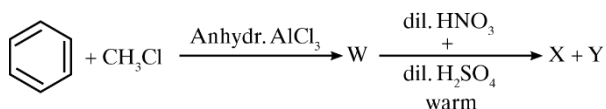
Key: (3)

57. The calculated 'spin-only' magnetic moment of $\text{Ti}^{2+}(3d^2)$ is:

- (1) 2.84 BM (2) 5.92 BM
 (3) 4.90 BM (4) 3.87 BM

Key: (1)

58. Two products X and Y are formed in the following reaction sequence.



The suitable method that can be used for the separation of products X and Y is:

- (1) Continuous extraction
 (2) Differential extraction
 (3) Fractional distillation
 (4) Sublimation

Key: (3)

59. A bulb is rated at 150 watt, converting 8% energy into light. If energy of one photon is $4.42 \times 10^{-19} \text{ J}$, how many photons are emitted by the bulb per second?

- (1) 1.35×10^{19}
 (2) 4.06×10^{19}
 (3) 2.71×10^{19}
 (4) 27.2×10^{19}

Key: (3)

60. In a test tube containing a salt, a few drops of dilute H_2SO_4 was added, which gave colourless vapours having the smell of vinegar. The vapours turned the blue litmus paper red.

Identify the **correct** anion from the following :

- (1) Acetate, CH_3COO^-
 (2) Carbonate, CO_3^{2-}
 (3) Sulphate, SO_4^{2-}
 (4) Sulphide, S^{2-}

Key: (1)

61. Select the reagents that reduce nitriles to primary amines:

- A. (i) LiAlH_4 ; (ii) H_2O
 B. $\text{Sn} + \text{HCl}$
 C. H_2/Ni
 D. $\text{Na}(\text{Hg})/\text{C}_2\text{H}_5\text{OH}$
 E. $\text{Br}_2/\text{aq. NaOH}$

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

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

Key: (2)

62. Identify the incorrect statement from the following:

- (1) Carbon has the ability to form $p\pi-p\pi$ multiple bond with itself.
- (2) ECl_3 (E = B and Al) is a monomer when E = B and a dimer when E = Al.
- (3) Oxygen exhibits only -2 oxidation state.
- (4) The order of catenation property of Group 14 elements is $C \gg Si > Ge \approx Sn$.

Key: (3)

63. Although $+3$ oxidation state is most common in lanthanoids, cerium still shows $+4$ oxidation state because:

- (1) Its nearest inert gas is Radon.
- (2) After losing one more electron, it acquires $4f^{14}$ electronic configuration.
- (3) Its atomic number is 61.
- (4) After losing one more electron, it acquires $4f^0$ electronic configuration.

Key: (4)

64. During Lassaigne's test, the elements present in an organic compound are converted from:

- (1) covalent form to covalent form
- (2) ionic form to ionic form
- (3) covalent form to ionic form
- (4) ionic form to covalent form

Key: (3)

65. The number of hydrogen atoms present in 5.4 g urea is:

(Given: Molar mass of urea: 60 g mol^{-1}
 $N_A: 6.022 \times 10^{23} \text{ particles mol}^{-1}$)

- (1) 2.168×10^{23}
- (2) 2.168×10^{22}

(3) 1.084×10^{22}

(4) 1.084×10^{23}

Key: (1)

66. The pair of molecules that are metamers among the following is:

(1) $CH_3CH_2CH_2OH$ and $CH_3-CH(OH)-CH_3$

(2) $CH_3OCH_2CH_2CH_3$ and $CH_3CH_2OCH_2CH_3$

(3) $H_3C-\overset{O}{\parallel}CH_3$ and $H_3C-CH_2-\overset{O}{\parallel}C-H$

(4) $CH_3CH_2CH_2CH_2CH_3$ and $(CH_3)_2CHCH_2CH_3$

Key: (2)

67. Identify the incorrect statement from the following:

(1) $P(C_2H_5)_3$ and $As(C_6H_5)_3$ form $d\pi-d\pi$ bond with transition metals.

(2) Nitrogen can form $d\pi-p\pi$ bond with oxygen.

(3) Nitrogen can form $p\pi-p\pi$ multiple bonds with itself.

(4) Phosphorus, arsenic and antimony show catenation property.

Key: (2)

68. phenolphthalein is used as an indicator for the titration of sodium hydroxide solution against a standard solution of oxalic acid. The colour change that is observed at an alkaline pH close to the equivalence point during this titration is:

(1) pinkish red to yellow

(2) yellow to pinkish red

(3) colourless to pink

(4) pink to colourless

Key: (3)

69. Match List I with List II.

List I	List II
A. C ₂ H ₄	I. 3σ bonds, 2π bonds
B. C ₂ H ₂	II. 3σ bonds, one lone pair
C. CH ₄	III. 4σ bonds
D. NH ₃	IV. 5σ bonds, 1π bond

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

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

Key: (1)

70. At a certain temperature, T(K), during a process, 500 J is absorbed by the system and work of 200 J is done by the system. Then change in internal energy of the system is:

- (1) 700 J
 (2) 300 J
 (3) 400 J
 (4) 500 J

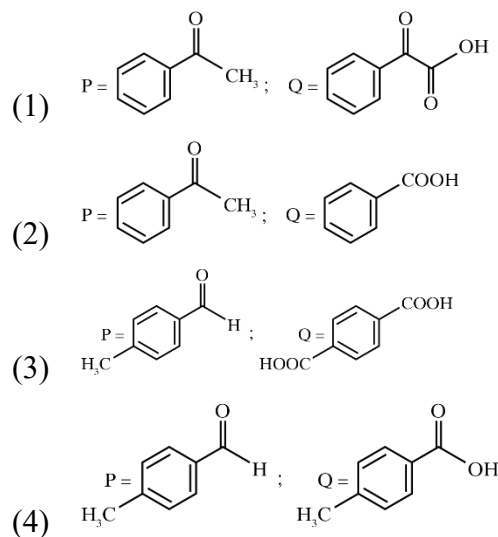
Key: (2)

71. Methane reacts with steam at 1273 K in the presence of nickel catalyst to form:

- (1) CO and H₂
 (2) CO and H₂O
 (3) CO₂ and H₂O
 (4) CO₂ and H₂

Key: (1)

72. Compound P(C₈H₈O) gives a red orange precipitate with 2,4-DNP reagent and it does not reduce Fehling's reagent. On drastic oxidation with chromic acid, P gives an aromatic product Q that produces effervescence on treating with aq. NaHCO₃. Compounds P and Q, respectively, are:



Key: (2)

73. A solution of copper sulphate is electrolysed for 10 minutes with a current of 1.5 amperes. The mass of copper deposited at cathode is: (Given: Molar mass of Cu = 63 g mol⁻¹; 1 F = 96487 C mol⁻¹)

- (1) 2.4036 g
 (2) 1.7018 g
 (3) 0.5876 g
 (4) 0.2938 g

Key: (4)

74. The functional group that can be identified through phthalein dye test is:

- (1) Phenolic
 (2) Alcohol
 (3) Aldehyde
 (4) Carboxylic acid

Key: (1)

75. The correct statement with regard to the secondary structure of DNA/RNA is :

- (1) DNA possesses a single strand helix structure and contains uracil as one of the four bases.
- (2) RNA possesses a single strand helix structure and contains thymine as one of the four bases.
- (3) DNA possesses a double strand helix structure and contains thymine as one of the four bases.
- (4) RNA possesses a double strand helix structure and contains uracil as one of the four bases.

Key: (3)

76. Identify the correct statements

- A. The molality of 2.5 g of ethanoic acid (Molar mass : 60 g mol^{-1}) in 75 g of benzene solution is 0.556 m
- B. The molarity of a solution containing 5 g of NaOH (molar mass : 40 g mol^{-1}) in 450 mL of solution is 0.278 M at 298 K
- C. Aquatic species are more comfortable in cold water.
- D. The solubility of gas increases with decrease in pressure.
- E. For a binary mixture of A and B, the number of moles of A and B are n_A and n_B respectively. The mole fraction of B will be

$$x_B = \frac{n_A}{n_A + n_B}$$

Choose the correct answer from the options given below :

- (1) A and C only
- (2) A, B and C only

(3) A, D and E only

(4) A and B only

Key: (2)

77. Mixture of chloroform and acetone forms a solution with negative deviation from Raoult's law due to:

- (1) formation of hydrogen bonding between acetone and chloroform
- (2) increase in escaping tendency of molecules of each component
- (3) stronger intermolecular forces between chloroform molecules than those between chloroform and acetone molecules
- (4) repulsive forces

Key (1)

78. At 298 K, a certain buffer solution contains equal concentrations of X^- and HX. K_b for X^- is 10^{-10} . What is the pH of this buffer solution?

- (1) 2
- (2) 10
- (3) 4
- (4) 6

Key (3)

79. Identify the incorrect statement from the following:

- (1) The IUPAC name of the element with atomic number 107 is unnilseptium.
- (2) The largest and the smallest species among Mg, Mg^{2+} , Al and Al^{3+} are Al and Mg^{2+} , respectively.
- (3) The similarity in behaviour of Li with Mg is referred to as 'diagonal relationship'.
- (4) The oxidation state and covalency of Al in $[AlCl(H_2O)_5]^{+2}$ are 3 and 6 respectively.

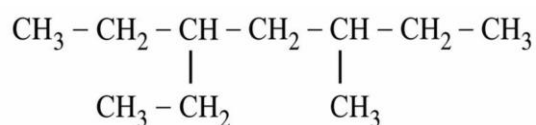
Key (2)

80. The correct order of increasing metallic character of Na, Be, P, Mg and Si is:

- (1) $P < Si < Be < Mg < Na$
- (2) $Be < Si < P < Mg < Na$
- (3) $P < Si < Na < Mg < Be$
- (4) $P < Mg < Be < Si < Na$

Key (1)

81. The correct IUPAC name of the following compound is:



- (1) 2,4-diethylhexane
- (2) 3,5-diethylhexane
- (3) 3-ethyl-5-methylheptane
- (4) 3-methyl-5-ethylheptane

Key (3)

82. Match List I with List II.

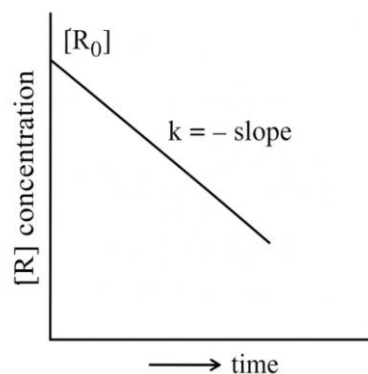
List I (Complex/ion)	List II (Shape/geometry)
A. $[\text{PtCl}_2(\text{NH}_3)_2]$	I. Octahedral
B. $[\text{Co}(\text{NH}_3)_6]\text{Cl}_3$	II. Trigonal bipyramidal
C. $[\text{NiCl}_4]^{2-}$	III. Square planar
D. $[\text{Fe}(\text{CO})_5]$	IV. Tetrahedral

Choose the correct answer from the options given below.

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

Key (4)

83. For a certain reaction $R \rightarrow \text{Product}$, the plot of concentration $[R]$ vs time has a negative slope as shown. The order of reaction is:



- (1) 0
- (2) 1
- (3) 2
- (4) 2.5

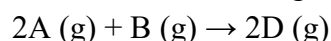
Key (1)

84. Which one of the following is an ambidentate ligand?

- (1) Ethylenediaminetetraacetate ion
- (2) Oxalate
- (3) Ethane-1,2-diamine
- (4) Thiocyanate

Key (4)

85. Consider the following reaction:



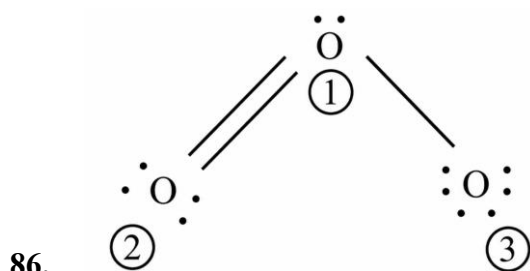
$$\Delta U^0 = -10 \text{ kJ mol}^{-1} \text{ and } \Delta S^0 = -44 \text{ J K}^{-1} \text{ at } 298 \text{ K.}$$

Identify the correct option with ΔG^0 for the reaction and spontaneity of the reaction at 298 K.

$$(\text{Given: } R = 8.31 \text{ J mol}^{-1} \text{ K}^{-1})$$

- (1) $-1.635 \text{ kJ mol}^{-1}$, spontaneous
- (2) $+0.63568 \text{ kJ mol}^{-1}$, non-spontaneous
- (3) $-0.63568 \text{ kJ mol}^{-1}$, spontaneous
- (4) $+1.635 \text{ kJ mol}^{-1}$, non-spontaneous

Key (2)



The correct formal charges on oxygen atoms numbered 2, 1 and 3 respectively are:

- (1) -1, 0, +1
- (2) 0, +1, -1
- (3) 0, 0, 0
- (4) +1, 0, -1

Key (2)

87. Given below are certain reactions. Identify the reaction for which $K_p \neq K_c$:

- (1) $\text{H}_2(\text{g}) + \text{I}_2(\text{g}) \rightleftharpoons 2\text{HI}(\text{g})$
- (2) $\text{N}_2(\text{g}) + \text{O}_2(\text{g}) \rightleftharpoons 2\text{NO}(\text{g})$
- (3) $\text{N}_2(\text{g}) + 3\text{H}_2(\text{g}) \rightleftharpoons 2\text{NH}_3(\text{g})$
- (4) $\text{H}_2\text{O}(\text{g}) + \text{CO}(\text{g}) \rightleftharpoons \text{H}_2(\text{g}) + \text{CO}_2(\text{g})$

Key (3)

88. Given below is an expression for the rate constant of a first order reaction occurring at a certain temperature, T (K):

$$\ln k = 14.34 - \frac{1.25 \times 10^4}{T}$$

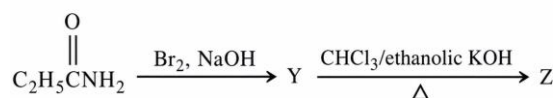
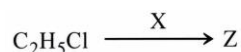
The energy of activation in kcal mol^{-1} for the reaction is:

(Given: k in s^{-1} , $R = 1.987 \text{ cal mol}^{-1} \text{ K}^{-1}$)

- (1) 12.42
- (2) 14.34
- (3) 18.63
- (4) 24.84

Key (4)

89. The following two reactions give the same foul smelling product Z:



X and Z, respectively, are:

- (1) X = AgCN; Z = $\text{C}_2\text{H}_5\text{CN}$
- (2) X = KCN; Z = $\text{C}_2\text{H}_5\text{CN}$
- (3) X = KCN; Z = $\text{C}_2\text{H}_5\text{NC}$
- (4) X = AgCN; Z = $\text{C}_2\text{H}_5\text{NC}$

Key (4)

90. Match List I with List II.

List I	List II
(Complex)	(Type of isomerism)
A. $[\text{Pt}(\text{NH}_3)_2\text{Cl}_2]$	I. Optical
B. $[\text{Co}(\text{en})_3]^{3+}$	II. Solvate
C. $[\text{Co}(\text{NH}_3)_5\text{NO}_2]\text{Cl}_2$	III. Geometrical
D. $[\text{Cr}(\text{H}_2\text{O})_6]\text{Cl}_3$	IV. Linkage

Choose the correct answer from the options given below.

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

Key (3)

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

Key: (2)

92. Which one of the following is the site for active ribosomal RNA synthesis?

- (1) Nucleolus
- (2) Chromatin
- (3) Centrosome
- (4) Kinetochore

Key: (1)

93. Match List I with List II.

List I (Phase of cell cycle)	List II (Activity)
A. G ₁ phase	I. Actual cell division occurs
B. S phase	II. Cell is metabolically active and continuously grows but does not replicate its DNA
C. G ₂ phase	III. Synthesis of DNA occurs and the amount of DNA per cell doubles

- D. M phase
- IV. Proteins are synthesized while cell growth continues

Choose the correct answer from the options given below.

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

Key: (1)

94. Match List I with List II.

List I	List II
A. Productivity	I. Gross primary productivity minus respiration losses
B. Net primary productivity	II. Rate of formation of new organic matter by consumers
C. Gross primary productivity	III. Rate of biomass production
D. Secondary productivity	IV. Rate of production of organic matter during photosynthesis

Choose the correct answer from the options given below.

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

Key: (2)

95. Which of the following statements are correct?

- A. The Amazon rainforest being cut and cleared for cultivation of soyabeans is an example of habitat loss.
- B. Steller's sea cow and passenger pigeon became extinct due to over-exploitation by humans.
- C. The Nile perch introduced into Lake Victoria in East Africa helped in population growth of cichlid fish in the lake.
- D. Water hyacinth is an invasive species.
- E. When a species becomes extinct, the plant and animal species associated with it are not affected.

Choose the correct answer from the options given below.

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

Key: (2)

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:

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

Key: (2)

97. How many ATP and NADPH molecules are required to make one molecule of glucose through the Calvin pathway?

- (1) 18 ATP and 12 NADPH
- (2) 6 ATP and 12 NADPH
- (3) 24 ATP and 18 NADPH
- (4) 12 ATP and 18 NADPH

Key: (1)

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.

Choose the correct answer from the options given below.

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

Key: (3)

99. Match List I with List II.

List I	List II
A. Decomposition	I. Accumulation of dark coloured amorphous colloidal substance
B. Detritus	II. Release of inorganic nutrients by the activity of microbes in soil
C. Mineralisation	III. Breaking down of complex organic matter into inorganic substances
D. Humification	IV. Dead remains of plants and animals including fecal matter

Choose the correct answer from the options given below.

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

Key: (3)

100. In which one of the following, the ovules are **not** enclosed by an ovary wall and remain exposed?

- (1) *Selaginella*
 (2) *Funaria*
 (3) *Pinus*
 (4) *Wolffia*

Key: (3)

101. Match List I with List II.

List I (Placentation)	List II (Example)
A. Marginal	I. Mustard
B. Axile	II. Pea
C. Parietal	III. Marigold
D. Basal	IV. Lemon

Choose the correct answer from the options given below.

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

Key: (3)

102. In angiosperms, root hairs arise from which one of the following regions of the root?

- (1) The root cap zone
 (2) The region of meristematic activity
 (3) The region of elongation
 (4) The region of maturation

Key: (4)

103. Which one of the following is **not** a characteristic of plant cells in the phase of elongation?

- (1) Increased vacuolation
 (2) Large conspicuous nuclei
 (3) Cell enlargement
 (4) New cell wall deposition

Key: (2)

104. Which of the following statements are correct with reference to a transcription unit?

- A. A transcription unit in DNA is defined primarily by three regions: promoter, structural gene and terminator.
- B. The promoter is said to be located towards the 5'-end of the structural gene.
- C. The promoter is a DNA sequence that provides binding site for RNA polymerase.
- D. The promoter defines the template and coding strands.
- E. The terminator is located towards the 3'-end of the coding strand and it defines the end of the process of transcription.

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

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

Key: (1)

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

- (1) Quaternary structure
- (2) Tertiary structure
- (3) Primary structure
- (4) Secondary structure

Key: (4)

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:

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

Key: (3)

107. The main function of bulliform cells in grasses is:

- (1) to make the leaf impermeable to fungal spores.
- (2) to perform photosynthesis.
- (3) to minimize water loss during water stress.
- (4) to transport water.

Key: (3)

108. Find the **incorrect** statement(s) about photosynthesis from the following:

- A. The water splitting complex is associated with PS I.
- B. C_4 plants use the C_3 pathway of CO_2 fixation as the main biosynthetic pathway.
- C. In C_4 plants, photorespiration does not occur.
- D. C_3 plants exhibit 'Kranz' anatomy.
- E. ATP synthesis in chloroplast occurs through chemiosmosis.

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

Key: (2)

109. Match List I with List II.

List I	List II
A. Conjunctive tissue	I. Specialised cells in the vicinity of guard cells
B. Casparian strips	II. Endodermal cells rich in starch
C. Subsidiary cells	III. Tissue between xylem and phloem
D. Starch sheath	IV. Endodermal cells with suberin deposition

Choose the correct answer from the options given below.

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

Key: (3)

110. Match List I with List II.

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

Choose the correct answer from the options given below.

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

Key: (3)

111. Heterophyllous development in response to environment is an example of which of the following phenomena?

- (1) Dedifferentiation
- (2) Elasticity
- (3) Redifferentiation
- (4) Plasticity

Key: (4)

112. In racemose inflorescence, _____.

- (1) the main axis terminates in a flower
- (2) the growth is limited
- (3) flowers are borne in an acropetal succession
- (4) flowers are solitary

Key: (3)

113. Which of the following disorders is caused by the substitution of Glutamic acid (Glu) by Valine (Val) at the sixth position of the beta globin chain of the haemoglobin molecule?

- (1) Haemophilia
- (2) Thalassaemia
- (3) Sickle-cell anaemia
- (4) Phenylketonuria

Key: (3)

114. Match List I with List II.

List I	List II
A. Incomplete dominance	I. Human skin colour
B. Co-dominance	II. Inheritance of flower colour in <i>Antirrhinum</i> sp.
C. Pleiotropy	III. Phenylketonuria disease in humans
D. Polygenic inheritance	IV. ABO blood groups

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

Key: (1)

115. Arrange the following in the correct developmental sequence related to microsporogenesis:

- A. Microspore tetrads
 B. Sporogenous tissue
 C. Pollen grains
 D. Pollen mother cells.

Choose the correct answer from the options given below.

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

Key: (3)

116. Arrange the following steps of DNA fingerprinting in a correct sequence.

- A. Isolation of DNA and its digestion by restriction endonucleases.
 B. Hybridisation using a labelled VNTR probe.
 C. Transferring of separated DNA fragments to synthetic membranes.
 D. Detection of hybridised DNA fragments by autoradiography.
 E. Separation of DNA fragments by electrophoresis.

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

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

Key: (1)

117. Exploring molecular, genetic and species-level diversity for products of economic importance is called:

- (1) Biomagnification
 (2) Biofortification
 (3) Bioremediation
 (4) Bioprospecting

Key: (4)

118. Which of the following statements are true with reference to the sex-determination in honeybees?

- A. An offspring formed from the union of a sperm and an egg, develops as a female (queen or worker).
 B. An unfertilized egg develops as a male by parthenogenesis.
 C. A male has half the number of chromosomes than that of a female.
 D. Males produce sperms by meiosis.
 E. Honeybees have a haplodiploid sex-determination system.

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

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

Key: (4)

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

Key: (1)

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

Key: (4)

121. The main criteria used for Five Kingdom Classification proposed by R.H. Whittaker (1969) included:

- A. Cell structure
- B. Body organization
- C. Presence of flagellum
- D. Reproduction
- E. Phylogenetic relationships

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

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

Key: (1)

122. Which one of the following is a triploid cell?

- (1) Central cell

(2) Primary endosperm cell

(3) Zygote

(4) Synergid

Key: (2)

123. Which of the following statements are correct with reference to packaging of DNA helix?

- A. Histones are organized to form a unit of eight molecules called histone octamer.
- B. Histones are negatively charged basic proteins.
- C. Histones are rich in the basic amino acid residues - lysine and arginine.
- D. The positively charged DNA is wrapped around the histone octamer to form nucleosome.
- E. The packaging of chromatin at higher levels requires an additional set of proteins called non-histone chromosomal proteins.

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

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

Key: (2)

124. Which of the following is an *in situ* conservation method?

- (1) Sacred Groves
- (2) Wildlife Safari Parks
- (3) Botanical Gardens
- (4) Seed Banks

Key: (1)

125. In the *lac* operon, the *z* gene codes for:

- (1) transacetylase
- (2) the repressor of *lac* operon
- (3) permease
- (4) beta-galactosidase

Key: (4)

126. Match List I with List II.

List I (Growth Regulator)	List II (Function / Effect)
A. 2,4 -D	I. Brewing industry
B. GA ₃	II. Stimulation of stomatal closure
C. Kinetin	III. Herbicide
D. ABA	IV. Nutrient mobilisation

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

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

Key: (3)

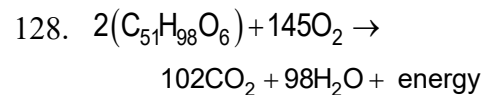
127. Arrange the following steps of somatic hybridisation in a correct sequence.

- 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

Key: (2)



The Respiratory Quotient (RQ) of a biomolecule used for respiration, as per the above equation, would be:

- (1) Less than 0.5
- (2) Between 0.5 and 0.95
- (3) Between 1.25 and 2
- (4) 1.0

Key: (2)

129. Since the origin and diversification of life on Earth, there have been five episodes of mass extinction of species. How is the sixth extinction, which is in progress, different from the previous episodes?

- (1) The current species extinction rates are far lower than those in previous episodes
- (2) The present species extinction rates are 100 to 1000 times faster than in the pre-human times-
- (3) The present net species extinction rate is zero
- (4) The current species extinction rate is nearly 10 times faster than that in previous episodes

Key: (2)

130. Match List I with List II.

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

Choose the **correct** answer from the options given 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
 (4) A-IV B-III C-II D-I

Key: (1)

131. Which one of the following statements is **not** true about the universal rules of binomial nomenclature?

- (1) Both the words in a biological name, when handwritten, are separately underlined or printed in italics.
 (2) The specific epithet in the biological name starts with a small letter.
 (3) The first word in the biological name represents the specific epithet, while the second component denotes the genus.
 (4) Biological names are generally in Latin.

Key: (3)

132. The enzyme required for carboxylation in the Calvin cycle is:

- (1) PEP carboxylase
 (2) RuBP carboxylase—oxygenase
 (3) Carboxypeptidase
 (4) Hexokinase

Key: (2)

133. Which of the following floral formula is the correct floral formula of Solanaceae family?

- (1) $\oplus \overset{\nearrow}{\underset{\oplus}{\text{♀}}} K_{(5)} \overset{\frown}{C_{(5)}} A_5 \underline{G}_2$
 (2) $\oplus \overset{\nearrow}{\underset{\oplus}{\text{♀}}} K_5 \overset{\frown}{C_{(5)}} A_5 \underline{G}_2$
 (3) $\oplus \overset{\nearrow}{\underset{\oplus}{\text{♀}}} K_{(5)} C_{(5)} A_5 \underline{G}_2$
 (4) $\oplus \overset{\nearrow}{\underset{\oplus}{\text{♀}}} K_5 C_5 A_5 \underline{G}_2$

Key: (1)

134. Which one of the following types of pollination brings generally different types of pollen grains to the stigma?

- (1) Geitonogamy
 (2) Autogamy
 (3) Xenogamy
 (4) Cleistogamy

Key: (3)

135. Match List I with List II.

List I (Process)	List II (Location)
A. Glycolysis	I. Inner mitochondrial membrane
B. ETS	II. Mitochondrial matrix
C. Accumulation of protons	III. Cytoplasm
D. Krebs' cycle	IV. Intermembrane space

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

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

Key: (2)

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

- (1) Gentamycin
- (2) Ampicillin and tetracycline
- (3) Tetracycline
- (4) Ampicillin

Key: (3)

137. The sixth mutant codon of beta globin gene causing polymerization of Haemoglobin and change in RBC shape is _____

- (1) CAG
- (2) GUG
- (3) AUG
- (4) GAG

Key: (2)

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 blastomeres are transferred to the uterus of an infertile female.
- (4) Early embryos with up to 8 blastomeres are transferred into the fallopian tube of an infertile female.

Key: (2)

139. Which one of the following is an appropriate example of 'sexual deceit'?

- (1) Female wasp and fig
- (2) Cuckoo and crow
- (3) *Ophrys* and bumblebee
- (4) Sea anemone and clown fish

Key: (3)

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*
- (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* → *Homo sapiens*

Key: (2)

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

Key: (4)

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.

Key: (3)

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
- (4) A and E only

Key: (1)

144. What is the probability of having children with 'O' blood group, where both mother and father are heterozygous for 'A' and 'B' blood group, respectively?

- (1) 50% (2) 0%
- (3) 75% (4) 25%

Key: (4)

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

Key: (4)

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

Key: (3)

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

Key: (1)

148. Non-membrane bound cell organelles found in both prokaryotic and eukaryotic cells are

- (1) Centrosomes
 (2) Ribosomes
 (3) Lysosomes
 (4) Mitochondria

Key: (2)

149. Ecological pyramids represent the relationship between the organisms at different trophic levels and they are generally inverted for :

- (1) Pyramid of energy in pond ecosystem
 (2) Pyramid of biomass in sea
 (3) Pyramid of number in grassland
 (4) Pyramid of biomass in grassland

Key: (2)

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*

Key: (4)

151. Match List I with List II.

List I (Bioactive molecules)	List II (Importance)
A. Streptokinase	I. Immunosuppressive agent
B. Statins	II. Removal of clots from the blood vessels
C. Lipases	III. Blood cholesterol-lowering agent
D. Cyclosporin A	IV. Detergent formulations

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

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

Key: (1)

152. Choose the correct statements regarding cell organelles and their inclusions.

- A. The endomembrane system includes Golgi complex, endoplasmic reticulum and mitochondria.
- B. Rough endoplasmic reticulum bears ribosomes on its surface.
- C. Both mitochondria and plastids have circular DNA.
- D. A network of microtubules, microfilaments and intermediate filaments present in the cytoplasm is called cytoskeleton.
- E. Mitochondria is a single membrane-bound structure.

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

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

Key: (4)

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

Key: (3)

154. In a population of a grasshopper species, the chromosome number of some members is 23 and some other members possess 24 chromosomes.

The 23 and 24 chromosome-bearing members in this species are _____

- (1) all males
- (2) all females
- (3) females and males, respectively
- (4) males and females, respectively

Key: (4)

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

Key: (1)

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

- (1) *cryIAc* and *cryIIIAb*
- (2) *cryIAc* and *cryIIAb*
- (3) *cryIAc* and *cryIAb*
- (4) *cryIIAb* and *cryIAc*

Key: (3)

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 |

Key: (2)

158. Match List I with List II.

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

Key: (1)

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

- (1) Male honeybees
- (2) Male grasshoppers
- (3) Male earthworms
- (4) Male frogs

Key: (1)

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 CO₂ 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

Key: (4)

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

Key: (2)

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

Key: (2)

163. Select the correct statements regarding cell membrane in eukaryotic cell.

- A. Membrane of human RBCs has approximately 52% protein.
- B. Major phospholipids are arranged in a bilayer.
- C. Extensions of the plasma membrane into the cell form mesosomes.
- D. Tails towards the inner part of lipids are hydrophobic and thus protected from aqueous medium
- E. Glycocalyx is present on the outer surface of the plasma membrane.

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

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

Key: (4)

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

Key: (1)

165. Which of the following equations depicts Verhulst-Pearl logistic population growth?

$$(1) \frac{dN}{dt} = rN \left(\frac{K-N}{K} \right)$$

$$(2) \frac{dN}{dt} = rN \left(\frac{K+N}{K} \right)$$

$$(3) \frac{dN}{dt} = rN \left(\frac{K}{K-N} \right)$$

$$(4) \frac{dN}{dt} = rN \left(\frac{K-N}{N} \right)$$

Key: (1)

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

Key: (2)

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 correct 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

Key: (1)

168. 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

Key: (3)

169. 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

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

Key: (2)

170. The following are the stages of life cycle *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
 (3) C, A, B, D, E (4) E, C, D, B, A

Key: (2)

171. Select the **incorrect** statements from the following:

- A. Digestive system in Platyhelminthes is incomplete.
 B. Bilateral symmetry is a characteristic feature of adult Echinoderms.
 C. Pseudocoelom is possessed by Aschelminthes.
 D. Notochord is persistent throughout life in the class Chondrichthyes.
 E. Members of class Reptilia maintain a constant body temperature.

Choose the answer from the options given below:

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

Key: (1)

172. The specific receptors for neurotransmitters in a synapse are present on _____.

- (1) Post-synaptic membrane
 (2) Pre-synaptic membrane
 (3) Myelin sheath
 (4) Schwann cell

Key: (1)

173. Choose the **correct** statement regarding muscle contraction.

- A. A motor neuron carries a signal sent by the Central Nervous System (CNS) to the sarcolemma of the muscle fibre.
- B. The neural signal generates an action potential which causes the release of Ca^{++} into sarcoplasm.
- C. Increase in Ca^{++} inactivates the actin for breaking cross bridges.
- D. Actin binds to the myosin head to form a cross bridge.
- E. Shortening of sarcomere takes place, by pulling actin filaments towards the centre of 'A' band.

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

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

Key: (1)

174. Which of the following is **not** an example of convergent evolution?

- (1) Eyes of octopuses and mammals
- (2) Fore limbs of whales and bats
- (3) Wings of butterflies and birds
- (4) Flippers of penguins and dolphins

Key: (2)

175. The JGA (Juxta Glomerular Apparatus) is a special sensitive region formed by cellular modifications in _____ related to the same nephron.

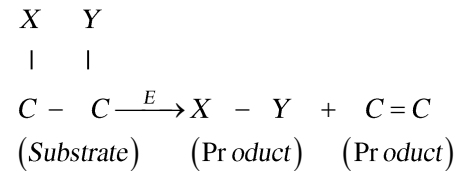
- (1) Distal convoluted tubule and efferent renal arteriole
- (2) Proximal convoluted tubule and afferent renal arteriole

(3) Distal convoluted tubule and afferent renal arteriole

(4) Proximal convoluted tubule and efferent renal arteriole

Key: (3)

176. The following reaction depicts the activity of a particular class of enzymes:



Identify the enzyme class 'E' from the following options:

- (1) Ligases
- (2) Lyases
- (3) Isomerases
- (4) Transferases

Key: (2)

177. Match List I with List II.

List I	List II
A. Molluscs	I. Pulmonary respiration only
B. Reptiles	II. Branchial respiration
C. Adult amphibians	III. Cellular respiration
D. <i>Amoeba</i>	IV. Pulmonary and Cutaneous respiration

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

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

Key: (2)

178. What is the reason behind production of large holes in 'Swiss Cheese'?

- (1) The production of large amount of CO₂ by *Clostridium butylicum*
- (2) The production of large amount of CO₂ and H₂ by *Trichoderma polysporum*
- (3) The production of large amount of CO₂ and H₂ by lactic acid bacteria called *Lactobacillus*
- (4) The production of large amount of CO₂ by *Propionibacterium sharmanii*

Key: (4)

179. Match List I with List II with respect to chronology of evolution of life forms:

List I	List II
A. About 65 mya	I. Jawless fish probably evolved
B. About 500 mya	II. The dinosaurs suddenly disappeared from the earth
C. About 350 mya	III. Seaweeds and few plants probably existed
D. About 320 mya	IV. Invertebrates were formed and became active

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

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

Key: (1)

180. Chose the correct statements regarding population interactions between two species.

- A. In both parasitism and commensalism, only one species benefits and the other species is harmed.
- B. Both species benefit in mutualism.
- C. Both species benefit in commensalism.
- D. In parasitism, only one species benefits and the other species is harmed.
- E. In amensalism, one species is harmed and the other is unaffected.

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

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

Key: (4)



**A CHOICE ROOTED IN TRUST A RESULT
CROWNED IN GLORY SRI CHAITANYA**

NEET 2025 RESULTS

5 ALL INDIA RANKS IN TOP 10

8
AIR Banothu Deeraj Kumar
APPL. NO. 250410546302*
Classroom Student

10
AIR Mangari Varun
APPL. NO. 250410102078*
Classroom Student
Sri Chaitanya
Tehsildar School Student

5
AIR Divya
APPL. NO. 250410401431*
Classroom Student

6
AIR Mohammad Sameer
APPL. NO. 250410822821*
Classroom Student

1
AIR KAVISH
APPL. NO. 250411147966*
Classroom Student

19 Ranks below 100 in All India Open Category

12 RANK Aashi Singh APPL. NO. 25041068778*	15 RANK Manvendra Singh APPL. NO. 25041078852*	16 RANK Rachit Sinha Chaudhuri APPL. NO. 250410018626*	20 RANK Rupayan Pal APPL. NO. 250410013788*	33 RANK Mohammad Sameer APPL. NO. 250410822821	35 RANK Kavish APPL. NO. 250411147966	37 RANK A S Nishanth APPL. NO. 250410044613	38 RANK Tejas Ghotgalkar APPL. NO. 250410009209	46 RANK Mangari Varun APPL. NO. 250410102078	48 RANK Yandrapati Shanmukh APPL. NO. 250410028239
50 RANK Abhineet Nagaraj APPL. NO. 250410397164	60 RANK Snehasis Das APPL. NO. 250410826840*	63 RANK K S H Vijaya Raja APPL. NO. 250410262075	64 RANK Podilapu Avinash APPL. NO. 250410036374	78 RANK Rakesh A J APPL. NO. 250410146769*	87 RANK Raghav APPL. NO. 250411402080	92 RANK T Siva Manideep APPL. NO. 250410582794	94 RANK Shah Tejas APPL. NO. 250410552820*	100 RANK Muskan APPL. NO. 250410005688*	

In the All India Open Category 16 Ranks within the top 100	In the All India Open Category 55 Ranks within the top 500	In the All India Open Category 95 Ranks within the top 1000	In the All India All Category 49 Ranks within the top 100	In the All India All Category 172 Ranks within the top 500	In the All India All Category 294 Ranks within the top 1000
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In NEET - 2025 Sri Chaitanya Ranks
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9,683⁺