

Pre Board Exam 2024 – 2025

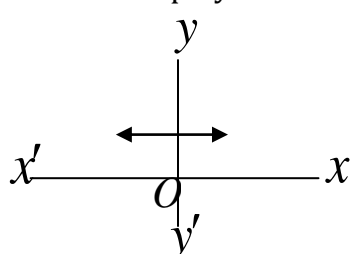
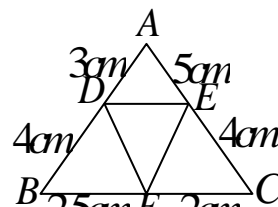
Time Allowed : 3 : 00 Hrs.

Maximum Marks : 80

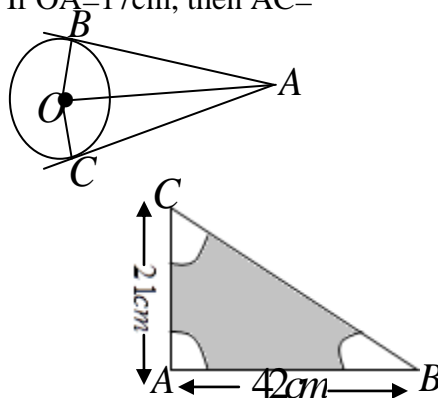
General Instructions:

- This Question Paper has 5 Sections A, B, C, D, and E.
- Section A has 20 Multiple Choice Questions (MCQs) carrying 1 mark each.
- Section B has 5 questions carrying 2 marks each.
- Section C has 6 questions carrying 3 marks each.
- Section D has 4 questions carrying 5 marks each.
- Section E has 3 Case Based integrated units of Assessment (4 marks each) with sub - parts of the values of 1, 1 and 2 marks each respectively.
- All Questions are compulsory. However, an internal choice in 2 Qs of 5 marks, 2 Qs of 3 marks and 2 Questions of 2 marks has been provided in the 2 marks questions of Section E.
- Draw neat figures wherever required. Take $\pi = \frac{22}{7}$ wherever required if not stated.

Section – A

- Q.1 $7 \times 11 \times 13 + 13$ is a/an :
 (a) odd number but not composite (b) square number (c) Prime number (d) composite number
- Q.2 The group of $y = P(x)$ in a figure given below for some polynomial $P(x)$. Find the numbers of zeroes of $P(x)$.
 (a) 4 (b) 0
 (c) 1 (d) 2
- 
- Q.3 The pair of linear equations $y = 0$ and $y = -6$ has :
 (a) no solutions (b) only solution (0, 0) (c) one solution $(-6, 0)$ (d) None of these
- Q.4 There are 576 boys and 448 girls in a school that are to be divided into equal sections of either boys or girls alone. The total number of sections thus formed are :
 (a) 22 (b) 16 (c) 36 (d) 21
- Q.5 A circle drawn with origin as the centre passes through $\left(\frac{13}{2}, 0\right)$. The point which does not lie in the interior of circle is –
 (a) $\left(\frac{-3}{4}, 1\right)$ (b) $\left(2\frac{7}{3}\right)$ (c) $\left(5, \frac{-1}{2}\right)$ (d) $\left(-6, \frac{5}{2}\right)$
- Q.6 The triangle whose vertices are (0, 0), (2.7, 0) and (0, 4.9) is a/an.
 (a) equilateral triangle (b) right-angled triangle (c) isosceles triangle (d) obtuse-angled triangle
- Q.7 Two natural numbers whose differences 10 and the least common multiple is 420 are :
 (a) 80 and 70 (b) 70 and 60 (c) 20 and 10 (d) 90 and 80
- Q.8 If $\sin x + \operatorname{cosec} x = 2$, then $\sin^{19} x + \operatorname{cosec}^{20} x$ is equal to :
 (a) 2^{19} (b) 2^{20} (c) 2^1 (d) 2^{39}
- Q.9 In figure, which of the following is correct?
 (a) $DE \parallel BC$ (b) $DF \parallel AC$
 (c) $EF \parallel AB$ (d) None of these
- 

- Q.10 The tops of two poles of heights 20m and 14m are connected by a wire. If the wire makes an angle of 30° with the horizontal, then the length of the wire is –
 (a) 8m (b) 10m (c) 12m (d) 14m
- Q.11 In figure, AB and AC are tangents to a circle with radius 8cm. If $OA=17\text{cm}$, then $AC=$
 (a) 15cm (b) 10cm
 (c) 25cm (d) $\sqrt{353}\text{cm}$
- Q.12 In the given figure, ABC is a triangle right angled at A, with $AB=21\text{cm}$ and $AC=42\text{cm}$ with the vertices A, B and C as centres, arcs are drawn each of radius 10cm, then the area of the shaded region is (use $\pi=3.14$).
 (a) 284cm^2 (b) 144cm^2
 (c) 441cm^2 (d) 157cm^2
- Q.13 How many bags of grain can be stored in a cuboid granary $12\text{m} \times 6\text{m} \times 5\text{m}$, if each bag occupies a space of 0.48m^3 ?
 (a) 750 (b) 705 (c) 600 (d) 640
- Q.14 A set of numbers consists of four 5's, six 7's, ten 9's, eleven 12's, three 13's, two 14's. The mode of this set of numbers is –
 (a) 10 (b) 11 (c) 12 (d) 13
- Q.15 A wheel makes 1000 revolutions in covering a distance of 0.88km. The radius of the wheel is –
 (a) 7cm (b) 14cm (c) 21cm (d) 28cm
- Q.16 The value of K for which the system of equations $x+y-4=0$ and $2x+Ky=3$, has no solution is –
 (a) -2 (b) $\neq 2$ (c) 3 (d) 2
- Q.17 A man is known to speak truth 3 out of 4 times. He throws a die and a number other than six comes up. Find the probability that he reports it is a six.



- Q.18 If $\operatorname{cosec} A - \cot A = \frac{4}{5}$, then $\operatorname{cosec} A$ is equal :

(a) $\frac{47}{40}$ (b) $\frac{59}{40}$ (c) $\frac{51}{40}$ (d) $\frac{41}{40}$

Direction : In the Question number 19 and 20, a statement of Assertion (A) is followed by a statement of Reason (R). Choose the correct option.

- Q.19 Statement A (Assertion) : In a right angled triangle if $\tan \theta = \frac{3}{4}$, then the value of $\sec \theta = \frac{5}{4}$. Statement

R (Reason) : $\sec^2 \theta - \tan^2 \theta = 1$.

- Q.20 Statement (Assertion) A : The arithmetic mean of the following given distribution table is 27.

C.I.	0-10	10-20	20-30	30-40	40-50
Frequency	2	3	4	2	4

Statement R (Reason) : $\text{Mode} = \ell + \left(\frac{f_1 - f_0}{2f_1 - f_0 - f_2} \right) \times h$.

Option for Question No. 19 and 20.

- (a) Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of Assertion (A).
 (b) Both Assertion (A) and Reason (R) are the true and Reason (R) is not the correct explanation of Assertion (A).
 (c) Assertion (A) is true but Reason (R) is false.
 (d) Assertion (A) is false but Reason (R) is true.

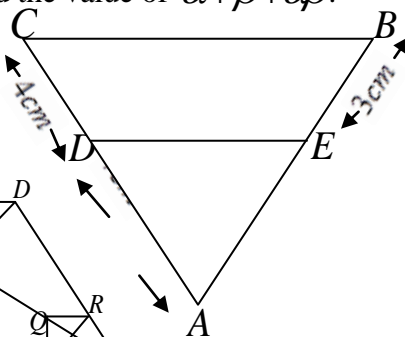
Section – B

Q.21 If 2 is a root of the equation $x^2 + bx + 12 = 0$. Then find the value of b .

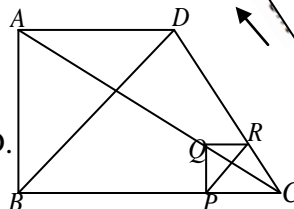
OR

If α, β are the zeroes of the polynomial $2y^2 + 7y + 5$, then find the value of $\alpha + \beta + \alpha\beta$.

Q.22 In the given figure, $DE \parallel CB$. Find the length of AE.



Q.23 In the given figure, two triangles ABC and DBC lie on the same base BC. P is a point on BC such that $PQ \parallel BA$ and $PR \parallel BD$. Prove that $QR \parallel AD$.



Q.24 A cone and a sphere have equal radii and equal volume. What is the ratio of the diameter of the sphere to the height of the cone?

OR

From a solid cylinder of height 20cm and diameter 12cm. A conical cavity of height 8cm and radius 6cm is hollowed out. Find the total surface area of the remaining solid.

Q.25 In ΔACB , right – angled at C, Prove that : $\frac{\tan A \tan B + \tan A \cot B}{\sin A \sec B} - \frac{\sin^2 B}{\cos^2 A} = \tan A$.

Section – C

Q.26 In an examination, the number of students in Hindi, English and Mathematics are 60, 84 and 108 respectively. Find the minimum number of rooms required, if in each room, the same number of students are to be seated and all of them being of the same subject.

Q.27 Determine K so that $3K-2$, $2K^2-5K+8$ and $4K+3$ are the three consecutive terms of an A.P.

Q.28 The sum of n terms of an A.P., whose first term is 6 and common difference is 40 is equal to the sum of 2n terms of another A.P. whose first term is 40 and common difference is 6. Find n.

OR

The sum of four consecutive numbers in an A.P. is 32 and the ratio of the product of the first and the last terms to the product of the two middle terms is 7 : 15. Find the numbers.

Q.29 If $\frac{\sin \theta + \cos \theta}{\sin \theta - \cos \theta} = \frac{5}{3}$. Find the value of $\frac{7 \tan \theta + 2}{2 \tan \theta + 7}$.

Q.30 The angle of elevation of the top of a tower from a point on the ground is 45° . on walking 30 meters towards the tower, the angle of elevation becomes 60° . Find the height of the tower and the original distance from the foot of the tower. (use $\sqrt{3} = 1.73$)

OR

From a window (120 metres high above the ground) of a house in a street, the angles of elevation and depression of the top and the foot of another house on opposite side of street are 60° and 45° respectively. Show that the height of the opposite house is $120(1 + \sqrt{3})$ metres.

Q.31 In a game, the entry fee is ₹ 5. The game consists of tossing a coin 3 times. If one or two heads show, Shweta gets her entry fee back. If she throws 3 heads, she receives double the entry fees. Otherwise she will lose. For tossing a coin three times. Find the probability that she :
 (i) Loses the entry fee. (ii) gets double entry fee just gets her entry fee.
 (ii) Just get her entry fees.

Section – D

Q.32 Draw the graph of the equations $2x - y = -8$ and $8x + 3y = 24$. Determine the coordinates of the vertices of the triangle formed by these lines and the x - Axis. Shade the triangular region formed.

OR

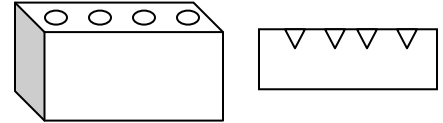
The students of a class are made to stand in rows. If 3 students are extra in a row, there would be 1 row less. If 3 students are less in a Row, there would be 2 rows more. Find the number of students in the class.

Q.33 Prove that if a line is drawn parallel to one side of a triangle to intersect the other two sides in distinct points, the other two sides are divided in the same ratio.

Q.34 A vessel is in the form of an inverted cone. Its height is 8cm and radius of its top. Which is open, is 5 cm. It is filled with water up to the brim. When lead shots, each of which is a sphere of radius 0.5cm are dropped into the vessel, one-fourth of the water flows out. Find the number of lead-shots dropped in the vessel.

OR

A pen stand made of wood is in the shape of a cuboid with four conical depressions to hold pens. The dimensions of the cuboid are 15cm by 10cm by 3.5cm. The radius of each of the depression is 0.5 cm and the depth is 1.4 cm. Find the volume of wood in the entire stand (see figure)



Q.35 Find the missing frequencies, f_1 , f_2 and f_3 in the following frequency distribution, when it is given that $f_2 : f_3 = 4 : 3$, and mean = 50.

Class Interval	0-20	20-40	40-60	60-80	80-100	Total
Frequency	17	F_1	F_2	F_3	19	120

Section – E

Case study based questions are compulsory.

Q.36 If $P(x)$ is a quadratic polynomial then $P(x)=0$ is a quadratic equation. Hence $P(x)=ax^2+bx+c=0$ is known as quadratic equation. The roots of the quadratic equation $ax^2+bx+c=0$ and zeroes of the quadratic polynomial $ax^2+bx+c=0$ are same. The roots of the quadratic equation are obtained by solving the quadratic by factorization and by using quadratic formula or discriminant method. The roots of quadratic equation may be equal or unequal or not real.

Answer the questions based on above

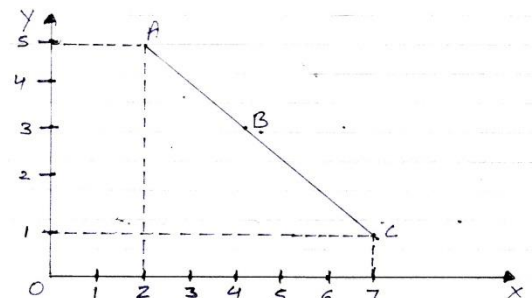
- Find the roots of the quadratic equation $\sqrt{3}x^2+8x+5\sqrt{3}=0$ by factorization.
- Find the nature of roots of the quadratic equation $100x^2-20x+1=0$.
- If K be any real number, then find the nature of roots of the quadratic equation $2x^2-(2+k)x+k=0$.

OR

Find the value of K which roots of equation $Kx(x-2)+6=0$ are equal.

Q.37 Archit Ayaan and Aranav are three friends that are sliding on three different slides in a water Park. The position of the three friends shown by A, B and C in three different slides are given below :

- Find the coordinates of B, if B is the midpoint of AC.
- Find the distance between Archit and Ayaan if Archit is at position A and Ayaan is at position B.

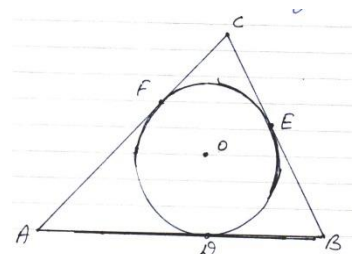


OR

Find the distance between Ayaan and Aarav if Ayaan is at position B and Aarav is at position C.

- Find the coordinates of point on x -axis that is equidistant from A and C.

Q.38 Varun has been selected by his school to design logo for Sports Day T-shirts for students and staff. The logo design is as given in the figure and he is working on the fonts and different colours according to the theme. In given figure, a circle with centre O is inscribed in a $\triangle ABC$, such that it touches the sides AB, BC and CA at points D, E and F respectively. The lengths of sides AB, BC and CA are 12cm, 8cm and 10cm respectively.



- Find the length of AD.
- Find the length of BE.
- If radius of the circle is 4cm. Find the area of $\triangle OAB$.

OR

Find area of $\triangle ABC$.

Pre Board Exam 2024 – 2025

Time Allowed : 3 : 00 Hrs.

Maximum Marks : 80

General Instructions:

Read the following instruction very carefully and strictly follow then :

- (i) This Question paper contain 38 question. All question are compulsory.
- (ii) This question paper is divided into 5 Section – A, B, C, D and E.
- (iii) In Section A, question No. 1 to 18 are Multiple Choice Question (M.C.Q's) and question No. 19 and 20 are Assertion Reason Based Question of 1 Marks each.
- (iv) In Section B question No. 21 to 25 are Very Short Answer (V.S.A.) type question carrying 2 Marks each.
- (v) In Section C question No. 26 to 31 are Short Answer (S.A.) type question carrying 3 Marks each.
- (vi) In Section D question No. 32 to 35 are Long Answer (L.A.) type question carrying 5 Marks each
- (vii) In Section E question No. 36 to 38 are Case Study Based question carrying 4 Marks each. Internal Choice provided in 2 Marks question in each.
- (viii) There is no overall choice however an internal choice has been provided in 2 question in Section B, 2 question in Section C, 2 question in Section D and 3 question in Section E.
- (ix) Draw neat diagram wherever required take $\pi = \frac{22}{7}$ wherever required. If not stated.
- (x) Use calculation in not allowed.

Section – A [Question No. 1 to Question No. 20 carry 1 Mark each.]

- Q.1 If $a=2^7.3^{10}$ and $b=2^3.3^7$ then HCF (a,b) is –
 (a) 1 (b) 0 (c) $2^3.3^7$ (d) 5
- Q.2 The LCM of smallest odd number and smallest even No. is –
 (a) 1 (b) 21 (c) 2 (d) None of these
- Q.3 If α and β are zeros of the polynomial than $\frac{1}{\alpha} + \frac{1}{\beta}$ is –
 (a) 1 (b) 2 (c) -1 (d) 6
- Q.4 The pair of equations $y=0$ and $y=-7$ has –
 (a) One solution (b) Two solution (c) No solution (d) None of these
- Q.5 If the sum of a number and its reciprocal is $\frac{10}{3}$, the number is
 (a) 1 (b) 2 (c) 3 (d) 4
- Q.6 If one root of the quadratic equations $x^2 - 4x + 3 = 0$ is 1 then the other root is –
 (a) 3 (b) -3 (c) 2 (d) 4
- Q.7 The 10th term of the A.P. 5, 8, 11, 14 ----- is –
 (a) 32 (b) 35 (c) 38 (d) 185
- Q.8 If $S_n = 3n^2 - n$ then common difference of the A.P. is –
 (a) 6 (b) 5 (c) 3 (d) 1
- Q.9 All circles are ----- .
 (a) Congruent (b) equal (c) Similar (d) None of these
- Q.10 The distance of the point P (2, 3) from the x axis is –
 (a) 2 (b) 1 (c) 3 (d) 4

- Q.11 The distance of the point (6, 8) from the origin is –
 (a) 9 (b) 10 (c) 11 (d) 12
- Q.12 The perimeter of triangle with vertices (0, 4), (0, 0), (3, 0) is –
 (a) 5 (b) 12 (c) 11 (d) 4
- Q.13 The value of $\tan 45^\circ$ is –
 (a) 0 (b) 1 (c) 2 (d) 3
- Q.14 $\operatorname{Cosec}^2 30^\circ - \cot^2 30^\circ =$
 (a) 0 (b) 1 (c) 3 (d) 4
- Q.15 The Parallelogram circumscribing a circle is –
 (a) square (b) Rhombus (c) Rectangle (d) Triangle
- Q.16 Volume and surface areas of a solid hemisphere are numerically equal. The diameter of hemisphere is –
 (a) 7 units (b) 1 unit (c) 2 units (d) 9 units
- Q.17 The value of x for which class mark of the class interval $30-x$ is 36, is –
 (a) 38 (b) 40 (c) 36 (d) 42
- Q.18 The probability of getting 53 sundry in the year 2024 is –
 (a) $\frac{1}{3}$ (b) $\frac{1}{4}$ (c) $\frac{1}{7}$ (d) $\frac{2}{7}$

Question No. 19 & 20 are Assertion Reason based Question

- Q.19 Assertion (A) : The distance of the point $(-3, 5)$ from the x -axis is 3 units.
 Reason (R) : Abscissa of a point gives distance of the point from the y -axis.
- Q.20 Assertion (A) : $2+\sqrt{2}$ is an irrational number.
 Reason : The sum of non-zero rational always an irrational number.
 (a) Both Assertion (A) and Reason (R) are true and Reason (R) is correct explanation of Assertion (A).
 (b) Both Assertion (A) and Reason (R) are true but Reason (R) is not the correct explanation of Assertion (A).
 (c) Assertion (A) is true but Reason (R) is false .
 (d) Assertion (A) is false, but Reason (R) is true.

Section – B [Ques. No 21 to Ques. No. 25 carry 2 Marks each]

- Q.21 Find 3 Number in A.P. whose sum is 36 product is 960.

OR

In an A.P. prove that $a_{m+n} + a_{m-n} = 2a_m$.

- Q.22 Prove that $\frac{\sin \theta - \cos \theta + 1}{\sin \theta + \cos \theta - 1} = \frac{1}{\sec \theta - \tan \theta}$.

OR

Prove that $\frac{\tan \theta}{1 - \cot \theta} + \frac{\cot \theta}{1 - \tan \theta} = 1 + \sec \theta \operatorname{cosec} \theta$.

- Q.23 If (1, 2), (4, y), (x, 6) and (3, 5) are the vertices of parallelogram taken in order, Find x & y .
- Q.24 Prove that parallelogram circumscribing a circle is rhombus.
- Q.25 Find the mean of Prime numbers between 20 and 30.

Section – C [Ques. No 26 to Ques. No. 31 carry 3 Marks each]

- Q.26 Prove that $3\sqrt{2}$ is irrational.

OR

Prove that $2+\sqrt{3}$ is irrational.

- Q.27 E is a point on the side AD produced of a parallelogram ABCD and BE intersects CD of F. Show that $\triangle ABE \sim \triangle CFB$.
- Q.28 Solve the following system of linear equations graphically $3x+y-11=0$ and $x-y-1=0$.
- Q.29 If θ is an acute angle and $\sin \theta = \cos \theta$. Find the value of $2\tan^2 \theta + \sin^2 \theta - 1$.

OR

If $\sec \theta + \tan \theta = P$. Prove that $\sin \theta = \frac{P^2 - 1}{P^2 + 1}$.

- Q.30 Prove that the lengths of tangents drawn from an external points to a circle are equal.
- Q.31 The mean of following frequency distribution is 25.2. Find the missing frequency x .

Class	0-10	10-20	20-30	30-40	40-50
Frequency	8	x	10	11	9

Section – D [Ques. No 32 to Ques. No. 35 carry 5 Marks each]

- Q.32 Check whether the following equation is quadratic or not. If yes find its root.

$$(x^3 - 4x^2 + 3x + 1) = (x - 2)^3$$

OR

$$\text{Solve for } x: (x^2 + 3x + 2)^2 - 8(x^2 + 3x) - 4 = 0.$$

- Q.33 State and prove B.P.T. [Basic Proportionally Theorem].

OR

If $\triangle ABC \sim \triangle DEF$ $AB = 4\text{cm}$ $DE = 6\text{cm}$ $EF = 9\text{cm}$ and $FD = 12\text{cm}$, find the perimeter of $\triangle ABC$.

- Q.34 A chord of circle of radius 12cm Subtends on angle of 120° at the centre, Find the area of corresponding segment of the circle. (Use $\pi = 3.14$ and $\sqrt{3} = 1.73$).
- Q.35 The shadow of a tower standing on a level ground is found to be 40m longer when the sun's altitude is 30° then when it is 60° . Find the height of the tower.

Section – E [Ques. No 36 to Ques. No. 38 carry 4 Marks each]

- Q.36 Ruby and Rita are playing a game of Ludo with 2 dice.

- Find the probability of getting a total 10.
- Find the probability that 5 will come up at least in 1 die.
- Find the probability of getting sum is even number.

OR

Find the probability of getting sum is odd number.

1+1+2

- Q.37 A solid is in the shape of one standing on a hemisphere both their radii equal to 7 and height equal to the radius. Find :

- C.S.A. of cone
- C.S.A. of hemisphere
- T.S.A. of solid

OR Volume of solid

1+1+2

- Q.38 A Quadratic Polynomial $x^2 + 3x + 2$ have two zeros α and β . Find :

- Sum of zeros
- Product of zeros

$$\text{(iii) } \frac{1}{\alpha^2} + \frac{1}{\beta^2} \quad \text{OR} \quad \alpha^2 + \beta^2$$

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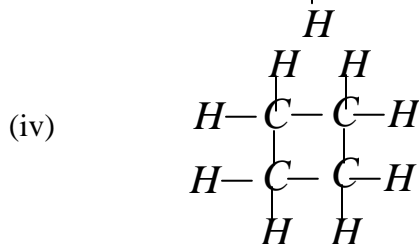
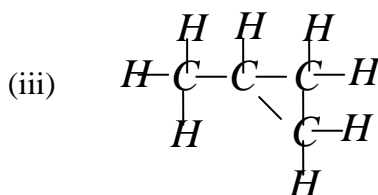
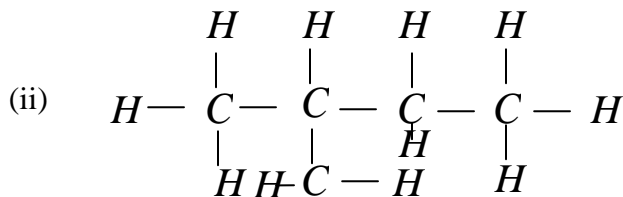
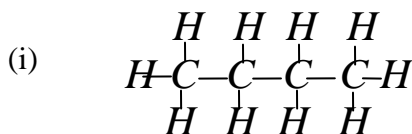
Maximum Marks : 80

General Instructions:

- This Question Paper consists of 39 Questions in 5 Sections.
- All Questions are compulsory. However, an internal choice is provided in some Questions. A student is expected to attempt only one of these questions.
- Section A consists of 20 objective type Questions carrying **1 Mark**. (16 M.C.Q.+ 4 Assertion-Reason type).
- Section B consists of 6 very short Questions carrying **2 Marks** each. Answer to these Questions should be in the range of 30 to 50 words.
- Section C consists of 7 short Answer type Questions carrying **3 Marks** each. Answer to these Questions should be in the range of 50-80 words.
- Section D consists of 3 long Answer type Questions carrying **05 Marks** each. Answer the these Questions should be in the range of 80 to 120 words.
- Section E consists of 3 Source Based / Case Based units of assessment of **4 Marks** each with sub-parts.

Section – A

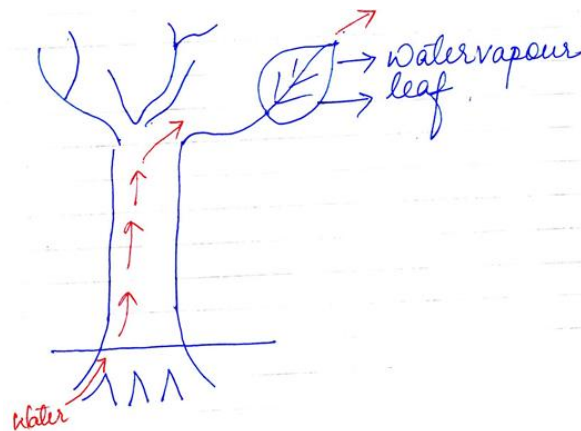
- Q.1 Mild non-corrosive basic salt is –
 (a) $\text{Ca}(\text{OH})_2$ (b) NaCl (c) NaOH (d) NaHCO_3
- Q.2 We store AgCl in dark colour bottle because it is –
 (a) A white solid (b) Undergoes redox reaction (c) To avoid action by sunlight (d) None of these
- Q.3 The Electronic configuration of three element X, Y and Z are $X=2, 8$; $Y=2, 8, 7$, and $Z=2, 8, 2$. Which of the following is correct.
 (a) X is a metal (b) Y is a metal (c) Z is a non-metal (d) Y is a non-metal and z is a metal
- Q.4 Which of the following reactions will not take place?
 (a) $\text{Zn} + \text{CuSO}_4 \rightarrow \text{ZnSO}_4 + \text{Cu}$ (b) $2\text{KBr} + \text{Cl}_2 \rightarrow 2\text{KCl} + \text{Br}_2$
 (c) $\text{Zn} + \text{MgSO}_4 \rightarrow \text{ZnSO}_4 + \text{Mg}$ (d) $\text{Zn} + \text{H}_2\text{SO}_4 \rightarrow \text{ZnSO}_4 + \text{H}_2$
- Q.5 “Plaster of paris” is –
 (a) $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ (b) $\text{CaSO}_4 \cdot \frac{1}{2}\text{H}_2\text{O}$ (c) $\text{CaSO}_4 \cdot \text{H}_2\text{O}$ (d) $\text{CaSO}_4 \cdot 10\text{H}_2\text{O}$
- Q.6 When Hydrogen Sulphide gas is passed through a blue solution of Copper Sulphate, a black precipitate of Copper Sulphide is obtained and the Sulphuric acid so formed in the solution.
 The reaction is an example of a –
 (a) Combination reaction (b) Displacement reaction
 (c) Decomposition reaction (d) Double displacement reaction
- Q.7 Which of the following are correct structural isomers of butane :



- Q.8 Which of the following chemical reactions is incorrect?
- (a) Pyruvate $\xrightarrow[\text{in mitochondria}]{\text{Oxygen (Kreb's cycle)}} 6\text{CO}_2 + 6\text{H}_2\text{O} + 38\text{ATP}$.
- (b) Pyruvate $\xrightarrow[\text{in yeast}]{\text{in absence of O}_2} 2\text{Lactic Acid} + 2\text{ATP}$
- (c) Pyruvate $\xrightarrow[\text{in yeast}]{\text{in absence of O}_2} 2\text{C}_2\text{H}_5\text{OH} + 2\text{CO}_2 + 2\text{ATP}$
- (d) Pyruvate $\xrightarrow[\text{Muscle Tissue in animals}]{\text{in absence of O}_2} 2\text{Lactic Acid} + 2\text{ATP}$

- Q.9 Observe the following diagram and identify the process and its significance from the following option.

- (a) Evaporation : Maintains water contents in leaf cells.
 (b) Transpiration : Creates a suction force which pulls water inside the plant.
 (c) Excretion : Helps in excreting out waste water form the plant.
 (d) Translocation : Helps in transporting materials from one cell to another.

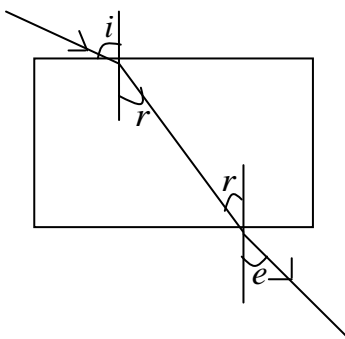


- Q.10 The maleness of child is determined by :
- (a) The X chromosome in zygote
 (b) The Y chromosome in zygote
 (c) The cytoplasm of germ cell which determine the sex
 (d) Sex is determined by chance

- Q.11 In reflex action, the reflex arc is formed by :
- (a) muscle \rightarrow brain \rightarrow receptor
 (b) muscle \rightarrow spinal cord \rightarrow receptor
 (c) receptor \rightarrow brain \rightarrow muscle
 (d) receptor \rightarrow spinal cord \rightarrow muscle

- Q.12 Asexual reproduction take place through budding :
- (a) Amoeba
 (b) Yeast
 (c) Plasmodium
 (d) Leishmania

- Q.13 While performing the experiment on tracing the path of a ray of light passing through a glass slab as shown in given diagram, four students interpreted the result as given below, which one of the four interpretation is correct?



- (a) $\angle r > \angle e$
 (b) $\angle r = \angle e$
 (c) $\angle i = \angle r$
 (d) $\angle i > \angle r$

- Q.14 A positively – charged particle (alpha-particle) projected towards west is deflected towards north by a magnetic field.
 The direction of magnetic field is –
- (a) Towards south
 (b) Towards east
 (c) downward
 (d) upward

- Q.15 The SI unit & electric current is –
- (a) Ampere
 (b) Volt
 (c) Joule
 (d) Coulomb

- Q.16 A mirror which always form virtual and erect image is –
- (a) Convex
 (b) plane
 (c) either plane or convex
 (d) concave

Question No. 17 to 20 consist of two statement – Assertion (A) & Reason (R). Answer these Question by selecting the appropriate option given below :

- (a) Both A & R are true and R is correct explanation of A
- (b) Both A & R are true and R is correct explanation of A
- (c) A is true but R is false
- (d) A is false but R is true

- Q.17 Assertion (A) : The aqueous solution of glucose and alcohol do not conduct electricity.
Reason (R) : Aqueous solution of glucose and alcohol do not produce ions
- Q.18 Assertion (A) : Energy is required to carry out different life processes.
Reason (R) : Energy is obtained in the form of ATP in the mitochondria.
- Q.19 Assertion (A) : In human male testes are extra-abdominal which are present inside scrotum.
Reason (R) : Scrotum has a relatively lower temperature needed for the production and storage of sperms.
- Q.20 Assertion (A) : When a battery is short circuited, the terminal voltage is zero.
Reason (R) : In short circuit, the current is zero.

Section – B

Question No. 21 to 26 are very short Answer Questions :

- Q.21 When a solution of potassium iodide is added to a solution of Lead Nitrate in a test tube a reaction takes place?
(a) What type of reaction is this?
(b) Write a balanced chemical equation to represent the above reaction.

OR

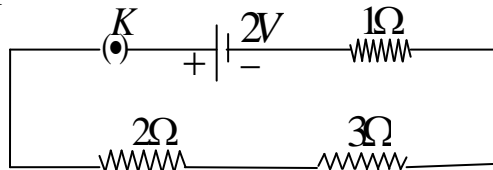
Write the balanced equation for the following reactions and identify the type of reaction in each case :

- (a) Potassium Bromide + Barium Iodide \rightarrow Potassium Iodide + Barium Bromide
 - (b) Hydrogen + Chlorine \rightarrow Hydrogen Chloride
- Q.22 Name the hormone required for the following. Also mention the name of endocrine gland from which that hormone is secreted :
(a) Lowering the blood glucose (b) Development of moustaches and beard in human male
- Q.23 Why are variations produced during asexual reproduction are very less?
- Q.24 How do oral contraceptive help in avoiding pregnancies?

OR

List two advantages of adopting contraceptive measures.

- Q.25 Use Ohm's law to determine the potential difference across 3Ω resistor in the circuit shown in the following diagram when key is closed.



- Q.26 In a food chain, maximum energy is available at producer level and only 10% is passed to the next level. What happens to the rest of the energy?

Section – C

Question No. 27 to 33 are short Answer Questions :

- Q.27 (a) Explain why an aqueous solution of Na_2SO_4 is Neutral while an aqueous solution of Na_2CO_3 is basic in nature.
(b) Consider the following salts : Na_2CO_3 , NaCl , NH_4Cl , CH_3COONa
Which of these salt will give –
(i) Acidic solution (ii) Neutral solution (iii) basic solution
- Q.28 State three reasons for the following facts :
(a) Sulphur is non-metal (b) Magnesium is a metal
One of the reasons must be supported with a chemical equation.
- Q.29 List the three kinds of blood vessels of the human circulatory system and write their functions in tabular form.

OR

- (a) Where are salivary glands situated in man? What are their functions?
 - (b) Why does absorption of digested food occur mainly in the small intestine?
- Q.30 Define the term power of accommodation of the human eye. Write the name of the part of the eye which plays a major role in the process of accommodation and explain what happens when the human eye focuses.

- (a) nearby objects and (b) distant object
- Q.31 Draw labeled ray diagrams for each of the following cases to show the position, nature and size of the image formed by a convex lens when the object is placed.
- (a) Between optical centre (O) and focus (F) (b) Between F and 2F (c) At 2F
- Q.32 Explain with an activity, a current carrying conductor put in an external magnetic field experience a force.
- Q.33 (a) Differentiate between biodegradable and non-biodegradable substances with the help of one example each.
- (b) Why the pyramid of energy is always upright? 2+1

Section – D

Question No. 34 to 36 are long answer questions.

- Q.34 (i) Give IUPAC name of following compounds :
- (a) $\text{CH}_3-\text{C}(=\text{O})-\text{CH}_2-\text{CH}_2-\text{CH}_3$ (b) $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_3$
- (ii) Write structure of following : (a) Pentanal (b) 3-Heptanol
- (iii) Find “A” in given reaction : $\text{CH}_3\text{CH}_2\text{OH} \xrightarrow{\text{KMnO}_4} \text{A}$

OR

- (i) Find X, Y & Z in following reaction:
- (a) $\text{CH}_3\text{CH}_2\text{OH} \xrightarrow{\text{K}_2\text{Cr}_2\text{O}_7} \text{X}$
- (b) $\text{X} + \text{Y} \rightarrow \text{CH}_3-\text{C}(=\text{O})-\text{O}-\text{CH}_2\text{CH}_3$
- (c) $\text{CH}_3\text{COOC}_2\text{H}_5 + \text{H}_2\text{O} \xrightarrow{\text{NaOH}} \text{Y} + \text{Z}$
- Q.35 (i) Name the parts labeled as A, B, C and D in the diagram given below :
- (ii) What is pollination? State its significance.
- (iii) How does fertilization occur in flowers? Name the parts of the flower that develop into (a) seed, and (b) fruit after fertilization.

OR

List in tabular form the two differences between asexual and sexual reproduction. Name and explain with the help of labeled diagram the process by which Hydra reproduces asexually.

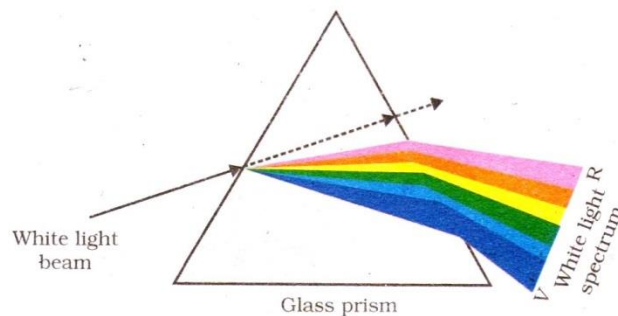
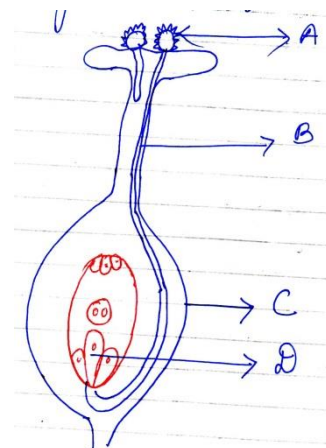
- Q.36 Meenu observes the phenomenon as shown in figure in the lab as white light passes through a prism. Among many other colours, she observed the position of the two colours red and violet.

- (a) What is the phenomenon known as? Define it.
- (b) Why does Meenu get these colours?
- (c) What name is given to the band of the coloured components of a light beam?
- (d) Why does violet colour bend the most?

OR

A person can not see the objects distinctly when placed beyond 2m.

- (a) Identify the eye defect.
- (b) Give two causes for this defect.
- (c) Calculate the power and nature of the lens he should be using to see the distant objects clearly.
- (d) Draw the ray diagram for the defective and corrective eye.



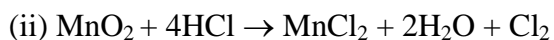
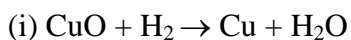
Section – E

Question No. 37 to 39 are case based questions :

Q.37 Chemical reaction involves chemical changes in which new substances with new properties are formed when two or more substances react with each other. Combination, decomposition (thermal, electrical & photo chemical) displacement, double displacement (precipitation), redox (Oxidation and reduction) are various type of chemical reaction. Corrosion and rancidity are effects of chemical reactions in our everyday life.

(a) Ferrous Sulphate decompose on heating with the evolution of a gas having characteristic odour of burning Sulphur. Write the chemical reaction involved and identify the type of chemical reaction.

(b) Identify the substance oxidized and reduced in the following reactions.



OR

Why does the colour of Copper Sulphate solution change when an iron nail is dipped in it? Write chemical reaction involved in it.

Q.38 If we cross bred tall (dominant) pea plant with pure-bred dwarf (recessive) pea plant, we will get plants of F_1 generation, If we new self cross the pea plant of F_1 generation we obtain pea plants of F_2 generation.

(i) Write the genotype of (a) Parents (b) F_2 generation.

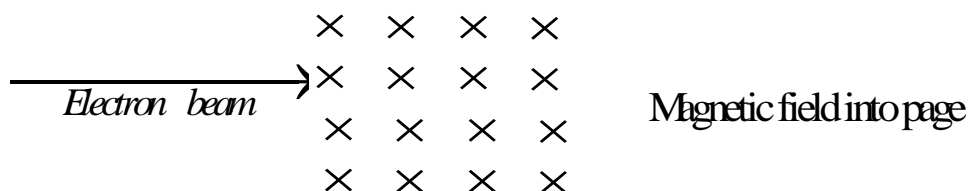
(ii) What is the name of such type of cross?

(iii) If we take round and wrinkled seeds, what will be the phenotypic and genotypic ratio of F_1 and F_2 generation.

OR

Make a flow diagram of the cross between the parents showing F_1 and F_2 generation.

Q.39 The diagram shows a beam of electrons about to enter a magnetic field. The direction of the field is into the page.



(a) What will be the direction of current as electron beam enters from left to right and magnetic field is into the page as shown in diagram?

(b) A positive charge is moving upward in a magnetic field directed towards north. In which direction will it be deflected.

(c) Which rule is applied to determine the direction of deflection, as the electron beam passes through the magnetic field (as shown in fig.)?

OR

State the conclusion that can be drawn from the observation that a current carrying wire deflects a magnetic needle placed near it.

Pre Board Exam 2024 – 2025

Time Allowed : 3 : 00 Hrs.**Maximum Marks : 80****Section – A Reading**

Q.1 Read the passage given below :

10

1. Once upon a time, there lived a young boy named Sammy. He was good at studies, obedient towards his elders, more hardworking than a lot of other boys in his class and kind to everyone. Grown up as well as those younger than Sammy loved him very much. This aroused jealousy in some boys who longed to be as loved as him. A boy named Timmy studied in the same class as Sammy. Unlike Sammy, he was not good at studies and always liked to play during school hours. He misbehaved with his parents, bullied his classmates and even ill-treated Sammy. He always tried to put Sammy down and belittled him before the other kids in class. But no matter what he did, Sammy's grades kept getting better and better, whether in studies or in sports. Sammy kept getting accolades from everywhere on his eighth birthday, Sammy got a beautiful pen as a gift from his parents. He brought it school so that he could use it to take down the notes of the lectures that the teachers gave in class. When Timmy saw it, he felt jealous.
2. He asked Sammy, 'Hey, where did you get it that? Did you buy it?' "My parents gave it as a birthday gift to me." replied Sammy. Timmy was overcome with anger and jealousy. The bad boy that he was, he rarely got any presents from his parents. He decided to steal Sammy's pen. During recess, where everyone had gone out from the class. Timmy opened Sammy's bag and took out his pen. Then he hid it inside his bag and went out to have the lunch. When Sammy came back and could not find his pen, he informed his class teacher about it. The class teacher ordered the class monitor to check every student's bag. The missing pen was soon found from Timmy's bag and the furious teacher asked the errant boy. 'Now Timmy what do you have to say about this?' Timmy was in tears. He had nothing to say.
3. When Sammy saw Timmy cry, he took pity on the boy. The kind boy that he was, Sammy had no ill feeling against his classmates. He requested his class teacher not to take any action against Timmy now that his stolen pen was found.

On the basis of your understanding of the passage answer the questions given below :

- (A) Choose the option that best captures the central idea of the passage from the given quotes.
- (i) "Discipline is the bridge between goal and achievements". – Jim Kohn
 - (ii) "Children learn more from what you are than what you teach" – W.E.B. Du Bois
 - (iii) "Do everything with a good heart, expect nothing in return, and you will never be disappointed" – Helen Berry
 - (iv) "Manners cost nothing but mean everything. – Rubyaane
- Options : (a) (i) (b) (ii) (c) (iii) (d) (iv)
- (B) Which of the following characteristics are apt about Sammy in the following context, "He requested his class teacher not to take any action against Timmy, now that his stolen pen was found?"
- (i) Impatient (ii) considerate (iii) angry
 - (iv) Soft hearted (v) indecisive (vi) negligent
- Options : (a) (ii) & (iv) (b) (i) & (iii) (c) (v) & (vi) (d) (i) & (ii)
- (C) Validate the passage as a short testimony to the fact that forgiveness and concern are always better than their opposite. (40 words)
- (D) What were the reactions of Timmy and Sammy on finding the pen?
- (a) Timmy – happy, Sammy – sad
 - (b) Timmy – sad, Sammy – happy
 - (c) Timmy – scared, Sammy – happy

- (d) Timmy – sad , Sammy – angry
- (E) Do you think Sammy was right in requesting the teacher not to take action against Timmy?
- (F) Analyse with reference to the passage in about 40 words, on the way Sammy dealt with the situation of the missing pen.
- (G) Complete the sentence appropriately.
The similarity between Sammy and Timmy is they ----- .
- (H) Complete the sentence appropriately.
Timmy was always bad to Sammy because ----- .

Q.2 Read the following excerpt from a case study titled ‘Impact of festivities on Ecology’. 10

1. Festivals are synonymous with celebration, ceremony and joy. However festivals bring to fore the flip side of celebrations – pollution – air, water, soil and noise. This led to the need of assessing the awareness level among people about ecological pollution during festivals. So, a study was conducted by scholars of an esteemed university in India. This study was titled ‘Awareness towards impact of Festivals an Ecology’.
2. There were two main objective of the study. The first one was to assess the awareness level among people about ecological protection during festivities, exploring solutions to bring awareness about celebrating festivals without harming ecology was the second objectives. The method used to collect data was a simple question are containing 6 questions, shared with 50 respondents across four selected districts of a state in the southern region of India.
3. The research began by understanding the socio-economic conditions of the respondents before showing the questionnaire. Once the responses were received the data collected was tabulated (Table 1), for analysis.

(Table 1) – Awareness level among respondents.

No.	Questions	Yes%	No %	Can’t say
1.	Do you feel that bursting crackers is a must during festivities?	46	54	0
2.	Do you think most people abuse environmental resources during celebration of festivals?	72	28	0
3.	Do you think that celebrations & festivities results in uniting people?	64	32	4
4.	Do you enjoy bursting crackers for amusement?	68	32	0
5.	Do you feel pressured to bust crackers during festivals as an expectation of your social status?	82	12	6
6.	Are you aware of waste segregation and disposal guidelines for better ecology?	56	40	4

4. The study recommended the imposition of strict rules and regulations as opposed to a total ban on all festive activities which have a drastic impact on our environment. The researchers believed that such measures would help in harnessing that such measures would help in harnessing some ill effects that add to the growing pollution and suggest further studies be taken up across the country to assess awareness about ecological degradation.
5. The observation made in the study pointed to the environmental groups and eco-clubs fighting a loose battle due to city traffic issues, disposal of plastics, garbage dumping and all sorts of ecological degradation. The researchers stressed that the need of the hour is increasing awareness among reduce ecological pollution which can be facilitated by celebrating all festivals in an eco-friendly manner.

On the basis of your understanding of the passage, answer the questions given below :

10

- (A) Why do the researchers call pollutions the ‘flip side’ of festivals?
- (B) Comment on the significance of the second objective of the study with reference to para 2.

- (C) Justify the researchers' recommendation for limiting the drastic impact of festival pollution on the environment with reference to para 3 & 4.
- (D) Why do the researchers feel that environmental groups and eco-clubs are fighting to losing battle in the given scenario?
- (E) Even though a larger number of people say 'No' to bursting crackers than those who say 'yes', festivals pollution persists. How does evidence from Table 1 support this statement?
- (F) 82% of respondents said they feel pressured to bursting firecrackers during festivals. This is an example of –
 (a) Psychological manipulation (b) Peer pressure (c) Ethical behavior (d) Brain washing
- (G) According to the survey, what was needed to stop people from bursting firecrackers during festivals?
- (H) 'Festivals are synonymous with celebration, ceremony and joy.' Replace the underlined word with an option that means the same :
 (a) Relatable (b) One and the same as (c) Opposite (d) Symbolic of
- (I) The researchers were able to find from the survey that :
 (a) A majority of people think firecracker are a must during festivities.
 (b) A major portion of the respondents do not like bursting firecrackers.
 (c) Everyone was aware of the waste disposal guidelines
 (d) Many people abuse environmental resources during festivals.
- (J) Why did the researchers begin by understanding the socio-economic conditions as the respondents?
 (a) To understand how much they spent on firecracker.
 (b) They only wanted to focus on one socio-economic class.
 (c) They wanted to find which socio-economic class causes most pollution.
 (d) To understand the pressures and perspectives of different socio-economic classes.

Section – B Writing skills & Grammar

- Q.3** Complete any ten of twelve of the following tasks, as directed : 1×10=10
- (i) Fill in the blanks by using the correct form of the word in the bracket, for the given portion of the letter.
 Subject : Job application for Assistant Manager
 Dear Sir / Ma'am
 I ----- (write) to apply for the position of Assistant Manager- supply chain at your esteemed firm.
- (ii) Read the given sentence from a government regulation. Identify the error and supply the correction in the sentence.
 Tendulkar can play cricket when he was three.
- | Error | Correction |
|-------|------------|
| | |
- (iii) The teacher asked some question from the boys about the assignment. Report the teacher's question.
 The teacher said to the boys, "Have you done your homework?"
- (iv) Read the dialogue between Kanak and Kartik, about the movie "Three idiots".
 Kanak – Have you seen 'three Idiots'?
 Kartik – I saw them yesterday in the class.
 Select the correct option to complete the reporting of the dialogue.
 Kanak asked Kartik if he had seen "Three Idiots". Kartik replied that ----- .
 (a) He has been seeing them the day before
 (b) He had seen them the day before in the class
 (c) He saw them yesterday
 (d) He has seen them the day before
- (v) Fill in the blanks with the correct option
 ----- (Much / Any / Some) books are missing from the library.
- (vi) Identify the error in the given sentence and provide the correction.
 At least half an hour of exercise a day did wonders for one's health.
 Use the given format for your response.

Error	Correction

- (vii) Select the option that identifies the error and supplies the correction for the following line.
The kids had worked really hard for the show. Now don't cancel it, please.

Option	Error	Correction
(a)	had	have
(b)	worked	work
(c)	the	a
(d)	don't	do

- (viii) Complete the given narrative by filling in the blank with the correct option.

Kamal Hassan is the latest celebrity to ----- to attention the ongoing protest by the wrestling community in India.

- (a) Bringing (b) bring (c) having brought (d) belong
- (ix) Report the following sentence said by Garima. Garima said to me, "I am sorry but I can't come to your birthday party because I am going away for the weekend.
- (x) Is it true that the students from the space research centre ----- this evening?
(a) was arriving (b) are arriving (c) is arriving (d) were arriving
- (xi) Complete the line from a poem by filling the blank with the correct option.
When times are hard, you ----- for a bit, but it's not over until the moment you quit. On a river's bridge, failures are the planks; Take one step at a time until you reach its banks.
(a) Might stop (b) shall stop (c) had stopped (d) stopped
- (xii) Identify the error in an online advertisement.

Apex classes Chander Nagar, Lucknow Education is not only learning facts but also training mind to think.

Use the given format for your response.

Error	Correction

Writing Section

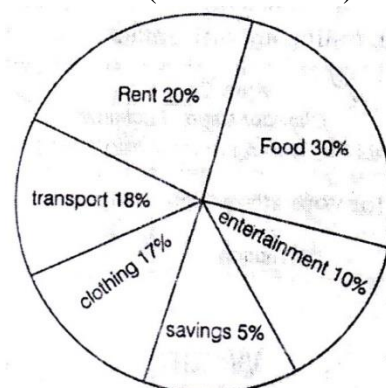
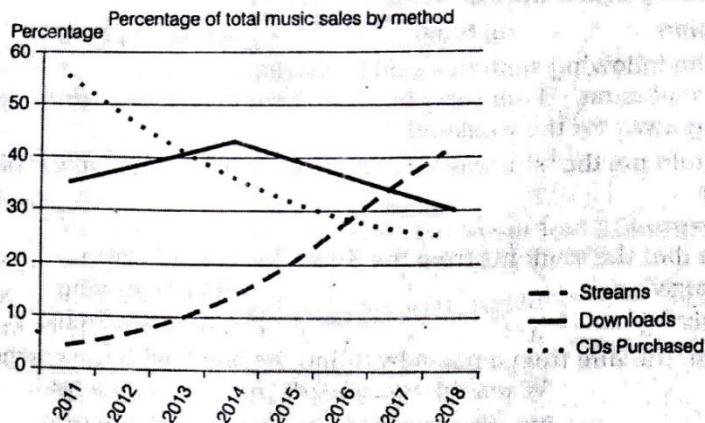
- Q.4 A Write a letter in 100 – 120 words to the Editor of the times of India, Delhi expressing your concern about the urgent need to save our rivers. Suggest some way to improve the situation. Sign yourself as Karan / Neha Bajaj. 5

OR

You are Madan / Shaina Ahuja, Purchasing Manager of Electra Trading Concern, North Avenue, New Delhi. Draft a suitable letter cancelling the order you have placed with your supplier, Sales Manager, Proton Electronics, Airport Road, New Delhi, because of the unusual delay in the delivery of goods. (100 – 120 words)

- Q.5 (A) The graph below shows how people buy music. Analyse the given data and write an analytical paragraph in 100 – 120 words. 5

- (B) The pie-chart shows the expenditure of Mehta family. Analyse the data in about 100 – 120 words. (PICTURE – A) (PICTURE – B)



Section – C Literature

Q.6 Attempt any one from (A) and (B) given below : Read the following extract and answer the questions that follow : 5

(A) I wrote the three pages Mr. Keesing had assigned me and was satisfied. I agreed that talking is a students' trait and that I would do my best to keep it under control, but that I would never be able to cure myself of the habit since my mother talked as much as I did, if not more, and that there's not much one can do about inherited traits.

- (1) Who was Mr. Keesing?
- (2) According to the extracts the incorrigible habit possessed by the speaker was :
 - (i) Making noise in class
 - (ii) talking too much
 - (iii) procrastinating
 - (iv) coming late to class
 - (v) asking irritating questions

Select the correct option

- (a) (i) & (iii)
 - (b) only (ii)
 - (c) (i), (iv) & (v)
 - (d) only (iii)
- (3) Complete the analogy by selecting the suitable word from the extract.
Routine : habit : : characteristic : ----- .
- (4) Select the reason why the narrator is unable to control her trait :
 - (a) She had deliberately practiced it.
 - (b) She wanted to be different from her brother.
 - (c) Her teacher had encouraged her to continue as she was .
 - (d) She had inherited it.
- (5) Which of the following most nearly means the opposite of the phrase 'under control'?
 - (a) To spend less
 - (b) unable to take on the challenge.
 - (c) find it difficult to manage
 - (d) being very stubborn

(B) His landlord disliked him and tried to eject him. In revenge, Griffin set fire to the house. To get away without being seen he had to remove his clothes. Thus it was that he became a homeless wanderer, without clothes, without money and quite invisible – until he happened to step in some mud, and left foot prints as he walked!

- (1) Griffin's land lord tried to eject him because :
 - (a) he was a lawless person
 - (b) he had set his house on fire
 - (c) he didn't like him
 - (d) he was a drug addict
- (2) Fill in the blank with one word only. Griffin deliberately removed his clothes because he wanted to become ----- .
- (3) Select the option that correctly captures the application of the word 'Fire' as used in this extract.
 - (a) Griffin said that he would fire the manager
 - (b) The soldiers opened fire at the enemy
 - (c) His remarks provoked heavy fire from the political opponents
 - (d) The Amar Palace was completely destroyed by the fire.
- (4) Griffin's presence was felt when :
 - (a) he jumped into the water with a splash
 - (b) he, wore clothes
 - (c) he left muddy footprints
 - (d) he stepped in mud
- (5) Which of the following is not true with reference to the given extract?
 - (a) Griffin had become penniless
 - (b) Griffin promised to behave himself
 - (c) Griffin revealed himself by his muddy footprint
 - (d) No one could see Griffin when he took off his clothes

Q.7 Attempt any one from (A) and (B) given below:

Read the following extract and answer the questions that follow :

5

(A) Or if sometime when roaming round,
A noble wild beast greets you,
With black stripes on a yellow ground,
Just notice if he eats you,
This simple rule may help you learn.
This Bengal Tiger to discern.

(1) Who is the 'noble wild beast' in the above lines?

- (a) Zebra (b) Asian Tiger (c) Asian Lion (d) Bengal Tiger

(2) Complete the sentence appropriately :

It is clear that 'Alliteration' is the poetic device used for 'roaming round' because ----- (clue; explain how alliteration applies here)

(3) State whether the following statement is True OR False.

The extract helps to identify a Royal Bengal Tiger.

(4) In the given lines, what effect does the poet create?

'Just notice' if he eats you

This simple rule may help you learn

The Bengal Tiger to discern'.

- (a) Irony (b) Terror (c) Sympathy (d) Notice

(5) Which word in extract tells you that you have recognized 'The noble beast'?

- (a) Rule (b) discern (c) roaming (d) Notice

(B) He hears the last voice at night

The patrolling care,

At the brilliant stars.

He stalks in his vivid stripes

A few steps of his cage.

(1) Whose is the last voice heard by the tiger?

- (a) Police jeep (b) patrolling cars (c) watch men (d) roar of lion

(2) Complete the sentence appropriately.

It is clear that 'Repetition' is the poetic device, used for 'brilliant eyes at the brilliant stars' because ----- . (clue; Explain how repetition applies here)

(3) The main contrasting ideas in this extract are :

- (a) Tiger & deer (b) cruelty & sympathy (c) confinement & freedom (d) master & slave

(4) The use of the word 'stalks' create an image of :

- (a) Cowardice (b) frustration (c) lethargy (d) purposefulness

(5) State whether the following statement is True OR False :

The poem uses 'staring at the sky' to symbolize the freedom yearns for.

Q.8 Answer any Four of the following five questions, in about 40 -50 words :

1. What does Chubukov at first suspect that Lomov had come for? Is he sincere when he later says, "And I've always loved you, my angel, as if you were my son"? Give reasons to support your answer.
2. The poet has used some special qualities to describe the animals and create humour in the poem. Do you agree with this statement. Comment, with reference to the poem 'How to tell wild animals'.
3. Why did Maxwell call the air hostess 'the very queen of her kind'?
4. What is the policy of Apartheid? Why did Mandella call it 'an extraordinary human disaster'?
5. Why does the poet in the poem 'The Ball' think that it is useless to give the following suggestion to the boy : 'No use to say' - 'O there are other balls'?

Q.9 Answer any Two of the following three questions, in about 40 – 50 word :

2×3=6

1. What Madame forester exclaim in astonishment, when she saw Matilda, years after the ball at the minister's? (The Necklace)
2. Why was it tempting to keep Tricki in surgery as a permanent guest? (A Triumph of Surgery)
3. How did Hari happen to stay with Amit? (The thief Story)

Q.10 Answer any one of the following two questions in about 100 -120 words.

1×6=6

1. Both Lencho and Amanda clearly need help. Lencho has been devastated by a natural calamity and Amanda does not know what to do or where to go because of her difficult circumstances at home. Do Amanda and Lencho appreciate the help they are getting or are they blind to help because of anger and negativity in their hearts?(A letter to God & Amanda)
2. Forgiveness is the foundation of a cordial relationship. Do you agree? How is this message conveyed in the play 'The Proposal'?

Q.11 (i) Answer any One of the following questions in about 100 -120 words each :

1×6=6

- 'Where there is a will, there is a way'. Ebright had a will to become a scientist but did not have enough resources. How does will and curiosity help us in becoming a successful person in our life? Elaborate with reference to Ebright. (The making of scientist)
- (ii) In what ways does 'Think, Tank misinterpret nursery rhymes as threats to the Martians? (The Book....)

Pre Board Exam 2024 – 2025

Time Allowed : 3 : 00 Hrs.

Maximum Marks : 80

General Instructions:

- (i) Question Paper comprises six Sections : A, B, C, D, E & F. There are 37 questions in the question paper. All Questions are compulsory.
- (ii) Section –A : From 1 to 20 are M.C.Q's of 1 Mark each.
- (iii) Section –B : Question No. 21 to 24 are very S.A. Type questions carrying 2 Marks each.
- (iv) Section –C : Contains question No. 25 to 29 are short Answer Type Question, carrying 3 Marks each.
- (v) Section –D : Question No. 30 to 33 are long Answer Type Question, carrying 5 Marks each. Answer to each Question should not exceed 120 words.
- (vi) Section –E Question No. from 34 to 36 are Case Based Questions with three sub-questions and are of 4 Marks each.
- (vii) Section –F : Question No. 37 is Map Based, carrying 5 Marks with two parts 37a from History (2Marks) 37b from Geography (3Marks).

Section – A

Multiple Choice Questions : (1×20=20)

- Q.1 Which of the following was not a the feature of Napoleonic code.
(a) Equality before Law (b) Universal Adult Franchise (c) Right to property (d) Privileges based on birth
- Q.2 Consider the statement given below and choose the correct answer:
Statement I : In Hungary, Half of the population spoke Maqyar while the other half spoke a variety of dialects.
Statement II : In Galicia the aristocracy spoke Polish.
(a) Statement I is correct, II incorrect (b) Statement I is incorrect and II is correct
(b) Both I and II are incorrect (d) Both I and II are correct
- Q.3 What does the caricature given below signify?
(a) Mazzini helping victor Emmanvel II getting control of Italy
(b) Italian Chief Minister, Cavour proclaiming Emmauvel II as a king of Italy
(c) Pursion Chief Minister Oto-Von Bismark helping Kaiser William I in taking control of Italy.
(d) Gauibildy helping king V. Emmunal II on sardnia piedmont to pull on boot named Italy
- Q.4 Match the following year with their corrsponding events :



Year		Events	
(A)	1797	(i)	Unification of Germany
(B)	1814-1815	(ii)	Greek struggle of Independence begins
(C)	1821	(iii)	Unification of Italy
(D)	1848	(iv)	Fall of Napoleon
(E)	1859 – 70	(v)	Nepoleon Invades Italy
(F)	1866 – 71	(vi)	Industrial worker and peasant revolt started

- (a) (A) (ii), (B) (iv), (C) (v), (D) (iii), (E) (vi), (F) (i)
(b) (A) (v), (B) (iv), (C) (ii), (D) (vi), (E) (iii), (F) (i)
(c) (A) (iv), (B) (v), (C) (vi), (D) (ii), (E) (i), (F) (iii)
(d) (A) (vi), (B) (v), (C) (iv), (D) (i), (E) (ii), (F) (i)
- Q.5 -----industries manufacturing telephone computers etc.
(a) Electronic (b) Steel (c) Aluminium (d) Information Technology
- Q.6 Laturite soil is very useful for growing –
(a) Rice, wheat, mustard (b) Tea, coffee, cashwnot (c) Pulses, sugarcane, resin (d) None of these

- Q.7 From which iron ore belt, Iron ore is exported through 'Marmangao Port'?
- (a) Odisha-Jharkhand belt (b) Durg-Bastar-Chandapur belt
(c) Ballari-Cnitraturqa-Chikkamagaluru-Tumakuru belt (d) Maharashtra-Goa belt
- Q.8 Who clearly lays down the power of different levels of Government in India?
- (a) Union Government (b) State Government (c) Federal Government (d) The Constitution
- Q.9 Which is the following statements about Sri-Lanka are correct?
- (i) A new constitution stipulated that the state shall protect and foster Hinduism
(ii) Sri-Lanka emerged as an independent country in 1948.
(iii) The democratically elected Govt. adopted a series of majoritarian measure.
(iv) In 1966 an act was passed to recognize Sinhala as the only official language.
- (a) (i) & (ii) (b) (ii) & (iii) (c) (i) & (iii) (d) (ii) & (iv)
- Q.10 Modern democracy maintain check and balance system, Identify the correct option based on the horizontal power sharing.
- (a) Central, state and local Govt. (b) Legislature executive and judiciary
(c) Among different social group (d) Among different pressure group
- Q.11 Different tiers of Government govern the same citizens but each tire has its own ----- in specific matters.
- (a) administration (b) Jurisdiction (c) execution (d) policies
- Q.12 Identify the type of administrative system :
- (i) There are two or more level of Government (ii) No Government to subordinate to another
- Select the appropriate option from the following :
- (a) Unitary Government (b) Federal system (c) Decentralised system (d) Unitary Federal system
- Q.13 How the system of local Government beneficial for our democratic country?
- (a) It has helped to deepen democracy in our country
(b) It has increased women's representation and voice in our country.
(c) It lead to the emergence of New national parties
(d) Both (a) and (b)
- Q.14 Which of the following statements about tertiary sector are correct?
- (i) It is also called the service sector
(ii) This sector covers activities in which natural products are changed into other forms trough ways of Manufacturing that two associate with industrial with industrial activity.
(iii) Transport, storage, communication, banking, trade are some example of tertiary activity.
(iv) Teachers, doctors, washer men etc. does not belong to this sector.
- Options : (a) (i) & (ii) (b) (ii) & (iii) (c) (i) & (iii) (d) (ii) & (iv)
- Q.15 Kerla has a low Infant Mortality Rate because it has :
- (a) better natural environment (b) Adequate provision of basic health and educational facilities
(c) highest per captia income (d) high literacy rate
- Q.16 What will be the top priority in the developmental goal of a landless labourer?
- (a) Expansion of rural banking (b) More day of work and better wages
(c) metal road for transportation (d) establishment of high school
- Q.17 Match the countries with their HDI Rank according to Human Development Report, UNDP 2018.

Column A		Column B	
(a)	Sri - Lanka	(i)	154
(b)	India	(ii)	143
(c)	Pakistan	(iii)	130
(d)	Nepal	(iv)	73

- (a) (a) - (iii), (b) - (iv), (c) - (ii), (d) - (i) (b) (a) - (ii), (b) - (iii), (c) - (iv), (d) - (i)
(c) (a) - (iv), (b) - (iii), (c) - (i), (d) - (ii) (d) (a) - (ii), (b) - (iii), (c) - (iv), (d) - (i)
- Q.18 What will be the aspiration of an educated Urban unemployed youth?
- (a) Better opportunities in agriculture
(b) Support from Government at every step in life for his upward movement
(c) Good Job opportunities where his education can be made use of
(d) Better facilities of recreation for this leisure time

- Q.19 What is the health and nutritional status of people in those states where the public Distribution system (PDS) functions well?
- Health and Nutritional status of people of such state is certainly likely to be better.
 - Health and Nutritional status of people of such state is certainly likely to be worse.
 - Health and Nutritional status of people of such state is likely to be bad.
 - Health and Nutritional status of people of such state is neither good nor bad.
- Q.20 Which of the following statement is incorrect?
- Money in your pocket can't buy all goods and service that you may need to live well.
 - Income by itself is completely adequate indicator of material goods and service that citizen are able to use.
 - Money can't buy you a pollution free environment .
 - Money may also not be able to protect you from infections diseases.

Section – B

Very Short Answer Questions : (2×4=8)

- Q.21 What was Rowlett Act? How did the Indian show their disapproval towards this act?
- Q.22 Why do political parties involve partisanship?
- Q.23 Write two main causes of water scarcity.

OR

Explain Non-conventional source of energy in short.

- Q.24 Why do we need to expand formal sources of credit in India?

Section – C

Short Answer Based Questions : (3×5=15)

- Q.25 What is term satyagraha? Describe satyagraha Movement launched by Gandhiji just after his return to India from South Africa.

OR

Who had desired the 'Swaraj flag' by 1921? Explain the main feature of the 'Swaraj flag'?

- Q.26 "Agriculture and Industry are not exclusive to each other" Justify the statement with suitable points.
- Q.27 Mention the criterion which used by UNDP for Publishing Human Development Report. Explain each.
- Q.28 State the various functions of political party perform in a democracy.
- Q.29 'Credit has its own unique role for development' Justify the statement with arguments.

Section – D

- Q.30 "The first clear expression of Nationalism came with the "French Revolution in 1789" examine the statement.

OR

Who hosted 'Vienna Congress' in 1815? Analyse the main changes brought by the 'Vienna Treaty'.

- Q.31 Explain the pro-active approach adopted by the National Thermal Power Corporation (NTPC) for preserving the natural environment and resources.

OR

Discuss the steps to be taken to minimize environmental degradation by Industry.

- Q.32 "Democracy has been considered a better form of Government" Analyse the statement with suitable arguments.

OR

How do democracies accommodate social diversity? Explain.

- Q.33 Highlight the factor responsible for the growth of service sector in the Indian economy.

OR

"Foreign trade integrates the markets in different countries" Support the statement with arguments.

Section –E Case Based Questions :

4×1=4

- Q.34 Read the source given below and Answer the following question :
- On 13th April the infamous Jalianwala Bagh incident took place. On that day a crowd of villagers who had come to Amritsar to attend the annual Baisakhi fair gathered in the enclosed ground of Jalianwala Bagh. Being far outside the city, they were unaware of the martial law that had been imposed. Dyer entered the area, Blocked the exit points and open fire on the crowd. Killing hundreds. His object, as he declared later, was to 'produce a moral effect' to create in the minds of satyagrahis a feeling of terror and awe.

- (i) Who were Satyagrahis? 1
- (ii) What circumstances led to the infamous Jallianwalla Bagh Massacre? 2
- (iii) What were consequences of the above incident? 2

Read the source and Answer the Questions:

Q.35 There are the physical diversities and plurality of cultures in India. These are also reflected in agricultural practices and cropping patterns in the country various type of food and fibre crops grown in the country. India has three cropping season – rabi, Kharif and Zaid.

- (i) Name any two zaid crops. 1
- (ii) Name two states where kharif crops are grown. 1
- (iii) What are the various types of crops are grown in India? 2

Q.36 Read the source and Answer the Questions :

There are the countries where there are no provincial or state Government. But in those countries like ours, where there are different levels of Government. The constitution clearly lays down the powers of different levels of Governments. This is what they did in Belgium, but was refused in powers of different levels of Government refused in Sri-Lanka. This is called federal division of power. The same principle can be extended to level of Government lower than the state Government. Such as the municipality and panchayat. Let us call division of power involving higher and lower levels of Government vertical division of power.

- (i) Which community sought to dominance in Sri-Lanka? 1
- (ii) The form of power sharing in Belgium was based on ----- .
- (iii) What is vertical division of powers? 2

Section –F : Map Based:

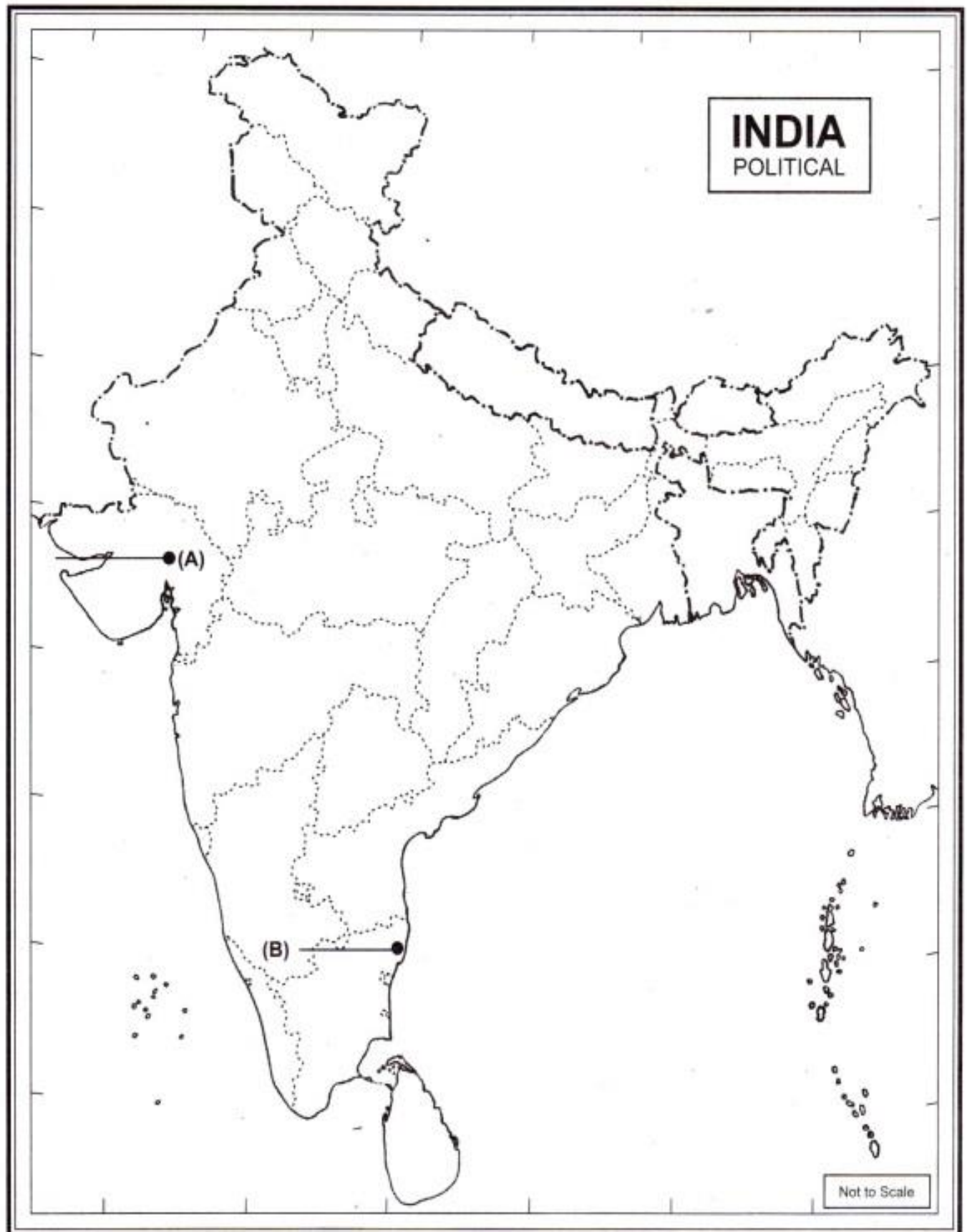
2+3=5

- Q.37 (a) Two features (A) and (B) are marked on identify these features with the help of information and write their correct names on the lines marked near them. 2
- (A) Place where Gandhiji organized Satyagraha for cotton mill workers.
- (B) Place associated with the Congress session of 1927.
- (b) On the same outline map of India, located and label any THREE of the following with suitable symbols. 3
- (i) Iron ore mine in Chhattisgarh.
 - (ii) Software Technology Park-Pune
 - (iii) Port in Odisha
 - (iv) Singrauli Power Plant

Roll No. _____

Date _____

Section _____



Pre Board Exam 2024 – 2025

Time Allowed : 3 : 00 Hrs.**Maximum Marks : 50****Section - A****Q.1 Answer any four out of the given 6 Questions based on employability skills :****4×1=4**

- (i) In a professional setting, which communication channel is most appropriate for discussing complex or sensitive issues?
(a) Social media platforms (b) Face to face meetings (c) Text message (d) voice mails
- (ii) ----- stress is a result of body's response to deal with a dangerous situation or escape from it.
(a) Internal (b) Environmental (c) External (d) Survival
- (iii) An operating system that manages a group of independent computer and makes them appear to be a single computer is known as ----- as.
(a) Real time (b) Graphical (c) Distributed (d) Multi-user
- (iv) An entrepreneur must form contacts with the ----- to analyse the market.
(a) Planning (b) Competitor (c) Neighbours (d) None of these
- (v) How can green skills contribute to prowlry reduction?
(a) By creating Job opportunities in sustainable sector
(b) By encouraging overconsumption of resources
(c) By promoting deforestation for economic growth
(d) By neglecting social & community development
- (vi) Plays a major role in reach on the stress.
(a) Personality (b) Positive attitude (c) Behaviour (d) None of these

Q.2 Answer any 5 out of the given 6 Questions :**1×5=5**

- (i) Which client Software is used to request and display webpages?
(a) Web server (b) FTP (c) Multimedia (d) Web browser
- (ii) The default date Type for field is ----- .
(a) Char (b) int (c) text (d) None of these
- (iii) Alpna has made four spreadsheets containing marks of 5 subjects of all students of her class. She has to prepare a sheet that contain the total marks of all the students of her class. Name the option that can be used to perform this task.
(a) Subtotal (b) Average (c) Goal seek (d) Scenario
- (iv) Field is the individual sub-component of one ----- .
(a) record (b) column (c) data (d) None of these
- (v) In the Mail Merge dialog box, you can select the ----- option if you want to save the merged document.
(a) File (b) Edit (c) View (d) Format
- (vi) Which of the following is a single piece of data?
(a) Field (b) Table (c) Record (d) form

Q.3 Answer any 5 out of the given 6 Questions :**1×5=5**

- (i) Prerna is a student of class X. Her teacher has asked her to create a document on 'Woman Empowerment'. She has written the text and also added relevant images in her document using writer. However she has realized that the paragraph will look better if the images are placed around the text. Name the feature the writer can use to get the desired result.
(a) Placing image (b) Positioning image (c) Wrap text (d) closing text
- (ii) Linked data is stored in the ----- .
(a) destination file (b) web file (c) source file (d) domain file
- (iii) Key field is a unique identifier for each record. It is defined in the form of :
(a) Row (b) Column (c) Tree (d) Query
- (iv) The grey color of in the Toc reminds us that the text has been generated----- .
(a) Manually (b) automatically (c) Both (a) & (b) (d) None of these
- (v) ----- is used in between the cell reference in formula.
(a) : (b) , (c) Both (a) & (b) (d) @
- (vi) Internally for each recorded macro, some code is generated, which is stored inside ----- and ----- clause.
(a) Sub, End sub (b) Section, End section (c) Function, End function (d) None of these

Q.4 Answer any 5 out of the given 6 Questions :**1×5=5**

- (i) The first network ever developed was ----- .
(a) ARPANET (b) Internet (c) NSF net (d) NET
- (ii) Prashant is a writer he has just completed writing his book using writer software. Now he wants to add a page that will contain the title of each chapter and its respective page number suggest the feature that can be used to do this task.
(a) Mail Merge (b) Templates (c) Styles (d) Toc.
- (iii) ----- is the blank space between the worksheet data and the edges of the printed page.
(a) Field page (b) Data space (c) Margins (d) Description box
- (iv) A/ An ----- that identifies a specific computer on the internet.
(a) User name (b) domain name (c) E-mail (d) None of these
- (v) Which of the following commands is not a Data manipulation language?
(a) Select (b) Insert (c) Update (d) Alter
- (vi) Template includes ----- text that is surrounded by brackets :
(a) Margin (b) Placeholder (c) Data source (d) Track changes

Q.5 Answer any 5 out of the given 6 Questions :**1×5=5**

- (i) Duplication of data is known as ----- .
(a) data security (b) data incomplete (c) data redundancy (d) None of these
- (ii) Reviewers and authors can add their to explain their changes in the cell of spread sheet.
(a) Comments (b) Hyperlink (c) Worksheet (d) Macro
- (iii) To create a hyperlink to a webpage FTP server of Talnet connection, click on the ----- icon.
(a) internet explorer (b) internet (c) hyperlink (d) document
- (iv) In WWW a client is called ----- .
(a) Webpage (b) Webserver (c) Web Browser (d) None of these
- (v) The OSH ----- field is concerned with ----- .
(a) Occupational Health (b) Occupational safety and Health
(c) Occupational safety (d) Occupational safety and Health
- (vi) What are some of the reasons why slips occur at the workplace?
(a) Leaks and debris (b) Protruding nails and boards (c) Both (a) & (b) (d) Faulty equipment

Section – B

Answer any 3 out of the given 5 Questions on Employability skills :

3×2=6

- Q.6 What are the skills necessary for independent working? List any six.
- Q.7 What are the benefits of acquiring green skills?
- Q.8 What are the responsibilities of an OS concerning the file management?
- Q.9 What are the disadvantages of entrepreneurship?
- Q.10 How can empathy enhance communication skills?

Answer any 4 out of the given 6 Questions :

4×2=8

- Q.11 What is Mail Merge?
- Q.12 What is a Macro?
- Q.13 What is the role of key fields in a DB. Name the keys in a DBMS?
- Q.14 How does a router help in maintaining a network?
- Q.15 Define the following term. (i) Active cell (ii) Sheet Tab
- Q.16 How can you prepare for emergencies?

Answer any 3 out of the given 4 Questions :

3×4=12

- Q.17 Ishita is a teacher. She had entered the marks of all the students and also calculated the total of the students. Now she wants to sort the data so that she can find the names of the students according to their marks in descending order. Tell her the different steps to sort the data.
- Q.18 Write the step for the text fitting inside a shape in a word process or document. Also describe its options.
- Q.19 Consider the following table : Employee salary.

Table Employee Salary

Last Name	First Name	Dept	PRN	Salary	Job Title
Shen	James	Finance	A621	19500	Sr.
Gupta	Shruthi	Finance	MS02	35000	Jr.
Bedi	Reeta	Human Resource	M421	18500	Asst.
Walker	Tia	Sales	W815	24000	Sr.
Shafia	Ahmed	Factory	H219	39000	Jr.
Mittal	Chavi	Purchasing	M734	20000	Asst.

- (i) How many fields and records are in the table Employee salary?
- (ii) Write the SQL queries for the following :
- (a) List all data of table Employee salary?
- (b) Display all the records whose salary is less than 25000.
- (iii) Display the first name and Job title of employees having Dept. 'Finance'.
- Q.20 What do you mean by data control language? Also give its types.

प्री बोर्ड परीक्षा – 2024-2025

समय- 3घंटे

पूर्णांक-80

सामान्य निर्देश- निम्नलिखित निर्देशों को बहुत सावधानियों से पढ़िए और उनका सख्ती से अनुपालन कीजिए।

- इस प्रश्न-पत्र में कुल 15 प्रश्न हैं। सभी प्रश्न करना अनिवार्य हैं।
- इस प्रश्न-पत्र में कुल चार खण्ड हैं- क, ख, ग, घ।
- खण्ड-क में कुल 2 प्रश्न हैं, जिसमें उपप्रश्नों की संख्या 10 हैं।
- खण्ड-ख में कुल 4 प्रश्न हैं, जिसमें उपप्रश्नों की संख्या 20 हैं। दिए गए निर्देशों का पालन करते हुए 16 उपप्रश्नों के उत्तर देना अनिवार्य है।
- खण्ड-ग में कुल 5 प्रश्न हैं, जिसमें उपप्रश्नों की संख्या 20 हैं।
- खण्ड-घ में कुल 4 प्रश्न हैं, सभी प्रश्नों के साथ उनके विकल्प दिए गए हैं।

प्रश्नों के उत्तर दिए गए निर्देशों का पालन करते हुए लिखिए।

खंड क

प्र.1 निम्नलिखित गद्यांश को ध्यान पूर्वक पढ़कर दिए गए प्रश्नों के उत्तर लिखिए

7

मनुष्य अपने स्वार्थ के लिए प्रकृति का दोहन कर प्राकृतिक संतुलन ही नहीं, बल्कि स्त्रियों के साथ अन्याय कर, स्त्री-पुरुष के लिंगानुपात को घटाने का अमानवीय कार्य भी किया है। लिंगानुपात में आई भारी गिरावट का मुख्य कारण कन्या भ्रूण हत्या है। गर्भस्थ शिशु के लिंग परीक्षण के पश्चात कन्या भ्रूण होन की स्थिति में उसे माँ के गर्भ में ही मार दिया जाता है, क्योंकि ऐसी मान्यता है कि लड़कियाँ हमेशा उपभोक्ता होती हैं और लड़के उत्पादक होते हैं। अभिभावक समझते हैं कि लड़का उनके लिए जीवन भर कमाएगा और उसका ध्यान रखेगा, जबकि लड़की की शादी होगी और वह ससुराल चली जाएगी। विदेशी आक्रमणों और समाज में पर्दा-प्रथा, सती-प्रथा जैसी कुप्रथाओं के कारण महिलाओं को शिक्षा से वंचित किया जाने लगा तथा धार्मिक और सामाजिक रूप से पुरुषों को अधिक महत्व दिया जाने लगा एवं महिलाओं को घर तक सीमित कर दिया गया है, जिससे संतान के रूप में नर शिशु की कामना करने की गलत परंपरा समाज में विकसित हो गई। इसका अन्य महत्वपूर्ण कारण दहेज प्रथा भी है। पहले के समय में माता-पिता अपने पुत्रियों का शादी में जरूरी घरेलू चीजें दिया करते थे। कई परिवार कुछ सोना और चाँदी भी देते थे। यह उसके भविष्य को सुरक्षित बनाने के उद्देश्य से किया जाता था, परन्तु धीरे-धीरे यह रिवाज बन गया है। अब दूल्हे का परिवार जो माँगता है, उसे दुल्हन के परिवार को देना पड़ता है, चाहे उनके लिए किसी से कर्जा लेना पड़ जाए या अपना घर गिरवी रखना पड़ जाए। लेकिन उन्हें लड़के वालों की माँग पूरी करनी पड़ती है।

किसी भी देश की प्रगति तब तक संभव नहीं है, जब तक वहाँ की महिलाओं को प्रगति के पर्याप्त अवसर न मिले। जिस देश में महिलाओं का अभाव हो, उसके विकास की कल्पना कैसे की जा सकती है, कन्या भ्रूण हत्या को समाप्त करने में महिलाओं की भूमिका सर्वाधिक महत्वपूर्ण हो सकती है। अतः इसके लिए महिला शिक्षा पर विशेष ध्यान देना होगा, क्योंकि शिक्षित महिला उस तरह का औजार है, जो भारतीय समाज पर अपने परिवार पर अपने हुनर तथा ज्ञान से सकारात्मक प्रभाव डालती है।

(i) भारतीय समाज में लिंगानुपात में हुए परिवर्तन का कारण है

(अ) विदेशी आक्रमण (ब) कन्या भ्रूण हत्या (स) सामाजिक कुप्रथाएँ (द) ये सभी

(ii) निम्नलिखित कथन पढ़कर सही विकल्प का चयन कीजिए।

“संतान के रूप में नर शिशु की कामना करने की गलत परंपरा के कारणों में निहित है।”

(i) महिलाओं को घर तक सीमित रखना। (ii) दहेज प्रथा का प्रचलन होना।

(iii) विदेशी आक्रमणों का होना। (iv) प्रकृति का दोहन करना।

विकल्प

- (अ) कथन (i) सही है। (ब) कथन (i) व (ii) सही है।
(स) कथन (ii) और (iii) सही है। (द) कथन (iii) तथा (iv) सही है।
(ग) कथन (A) और कारण (R) को पढ़कर उपयुक्त विकल्प चुनिए—
(iii) कथन (A) : समाज में महिलाओं की दयनीय स्थिति हो गई।
कारण (R) : महिलाओं को मानवीय अधिकारों से वंचित कर दिया गया।
(क) कथन (A) गलत है, किंतु कारण (R) सही है।
(ख) कथन (A) और कारण (R) दोनों ही गलत हैं।
(ग) कथन (A) सही है और कारण (R) कथन (A) की सही व्याख्या है।
(घ) कथन (A) सही है, किंतु कारण (R) कथन (A) की सही व्याख्या नहीं है।
(iv) गद्यांश में देश की प्रगति का संबंध किससे बताया गया है?
(v) विदेशी आक्रमणों से महिलाओं की स्थिति पर क्या प्रभाव पड़ा?

प्र.2 निम्नलिखित पद्यांश को ध्यानपूर्वक पढ़कर दिए गए प्रश्नों के उत्तर दीजिए –

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अब केवल स्वप्न देखने को नहीं बल्कि गहरी नींद तुम सो न सकोगे,
गीत गाकर मैं जागने आ रहा हूँ।
अतल अस्ताचल तुम्हें जाने ना दूँगा,
अरुण उदयाचल सजाने आ रहा हूँ।
कल्पना में आज तक उड़ते रहे तुम,
साधना से सिहरकर मुड़ते रहे तुम।
अब तुम्हें आकाश में उड़ने न दूँगा,
आज धरती पर बसाने आ रहा हूँ।
सुख नहीं यह, नींद में सपने सँजोना,
दुख नहीं यह, शीश पर गुरु भार ढोना।
शूल तुम जिसको समझते थे अभी तक,
फूल मैं उसको बनाने आ रहा हूँ।
देख कर मैंझधार को घबरा न जाना,
हाथ ले पतवार को घबरा न जाना।
मैं किनारे पर तुम्हें थकने न दूँगा,
पार मैं तुमको लगाने आ रहा हूँ।
तोड़ दो मन में कसी श्रृंखलाएँ,
तोड़ दो मन में बसी संकीर्णताएँ।
बिंदु बनकर मैं तुम्हें ढलने न दूँगा,
सिंधु बन तुमको उठाने आ रहा हूँ।
तुम उठो, धरती उठे नभ शिर उठाए,
तुम चलो गति में नई गति झनझनाए।
विपथ होकर मैं तुम्हें मुड़ने न दूँगा,
प्रगति के पथ पर बढ़ाने आ रहा हूँ।

1. कवि शूल को कौन सा रूप देने की बात कह रहे हैं?

- (क) काँटे (ख) पर्ण (ग) फूल (घ) पेड़

2. कवि श्रम और कर्मनिष्ठा से भागने वालों को क्या संदेश दे रहे हैं? कथन पढ़ कर सही विकल्प चुनिए—
कथन

(i) प्रगति पथ पर आगे बढ़ो, उचित मार्ग से विचलित न होना।

(ii) श्रम मत करो मार्ग पर चलते रहो।

(iii) श्रम करो पर एक जगह स्थिर रहो।

(iv) प्रगति पथ पर निश्चित स्थान पर डटे रहो।

विकल्प

(क) कथन (i) सही है। (ख) कथन (ii) सही है। (ग) कथन (iii) सही है। (घ) कथन (iv) सही है

3. कवि के अनुसार जीवन में सुख क्या है ?

(क) जीवन में प्राप्त होने वाली सभी सुविधाओं को भोगना (ख) जीवन में कठिनाइयों का सामना करना

(ग) जीवन में कोई कार्य न करना (घ) जीवन में अधिक धन कमाना

4. बिंदु बनाकर मैं तुम्हें ढलने न दूँगा, सिंधु बन तुमको उठाने आ रहा हूँ - पंक्ति का भावार्थ स्पष्ट कीजिए-

5. कवि ने संकीर्णताएँ और श्रृंखलाएँ किसे कहा है?

खंड ख

प्र.3 निर्देशानुसार रचना के आधार पर वाक्य भेद पर आधारित पाँच प्रश्नों में से किन्हीं चार प्रश्नों के उत्तर दीजिए।

1×4=4

1. नमक मिर्च लगी ताजे खीरे की पनियाती फाँके की देखते ही मुँह में पानी आ गया। इस वाक्य का मिश्र वाक्य क्या होगा?

2. अजमेर से पहले पिताजी इंदौर में थे और वहाँ उनकी बड़ी प्रतिष्ठा थी। रचना के आधार पर वाक्य भेद लिखिए -

3. माँ बेपट्टी लिखी थी और धरती से कुछ ज्यादा ही धैर्यशाली थी। इस वाक्य का सरल वाक्य क्या होगा?

4. मैंने एक बहुत लंबा व्यक्ति देखा। इस वाक्य का मिश्र वाक्य क्या होगा ?

5. जो एक सच्चे सुर की खोज में पूरी जिंदगी जी ले वह अनहद में मिलने को जा रहा था - रचना के आधार पर वाक्य भेद लिखिए।

प्र.4 वाक्य पर आधारित पाँच प्रश्नों में से किन्हीं चार प्रश्नों के उत्तर दीजिए-

1×4=4

1. मूर्ति के द्वारा कपड़े नहीं बदले जा सकते - कर्तृ वाक्य में बदलिए।

2. पीछे घूमकर उसने दुकान के नीचे पान थूका। किस वाक्य का उदाहरण है?

3. मोटापा घटाने के लिए रोजाना तेज टहले भाव वाक्य में परिवर्तित कीजिए -

4. उनसे बहुत अधिक ठंडा पानी नहीं पिया जाता - किस वाक्य का उदाहरण है?

5. वह अपनी छोटी सी दुकान में उपलब्ध गिने-चुने फ्रेमों में से एक नेताजी की मूर्ति पर फिट कर देता था - कर्मवाक्य में परिवर्तित कीजिए -

प्र.5 रेखांकित पद परिचय पर आधारित पाँच प्रश्नों में से किन्हीं चार प्रश्नों के उत्तर दीजिए - 1×4=4

1. उनकी अँगुलियाँ खँजड़ी पर लगातार चल रही थी।

2. खबरदार ! अब एक कदम भी आगे मत बढ़ाना।

3. आत्मा परमात्मा के पास चली गई।

4. शीला अग्रवाल की जोशीली बातों ने रंगों में बहते खून को लावे में बदल दिया था।

5. हलदर साहब जीप में बैठकर चले गए।

प्र.6 अलंकार पर आधारित पांच प्रश्नों में से किन्हीं चार प्रश्नों के उत्तर लिखिए –

1×4=4

1. जैसे समेटता हो मुख्य गायक का पीछे छूटा हुआ समान – पंक्ति में कौन सा अलंकार है?
2. प्रीति नदी में पाउँ न बोरयो –दृष्टि न रूप परागी – पंक्ति में प्रयुक्त अलंकार बताइए –
3. सहसबाहु सम सो रिपु मोरा – पंक्ति में अलंकार बताइए–
4. छू गया तुम से कि झड़ने लग पड़े शोफालिका के फूल बाँस था कि बबूल–पंक्ति में प्रयुक्त अलंकार बताइए
5. अतिशयोक्ति अलंकार का एक उदाहरण लिखिए –

खंड ग

प्र.7 निम्नलिखित पठित गद्यांश पर आधारित बहुविकल्पीय प्रश्नों के सर्वाधिक उपयुक्त विकल्प चुनकर लिखिए–

1×5=5

वही पुराना बालाजी का मंदिर जहाँ बिस्मिल्लाह खाँ को नौबतखाने रियाज के लिए जाना पड़ता है। मगर एक रास्ता है बालाजी मंदिर तक जाने का। यह रास्ता रसूलन बाई और बतुलन बाई के यहाँ से होकर जाता है। इस रास्ते से अमीरुद्दीन को जाना अच्छा लगता है। इस रास्ते ना जाने कितने तरह के बोल-बनाव कभी ठुमरी, कभी टप्पे, कभी दादरा के मार्फत ड्योढ़ी तक पहुँचते रहते हैं। रसूलन और बतुलन जब गाती हैं तब अमीरुद्दीन को खुशी मिलती है। अपने ढेरों साक्षात्कारों में बिस्मिल्लाह खाँ साहब ने स्वीकार किया है कि उन्हें अपने जीवन के आरंभिक दिनों में संगीत के प्रति आसक्ति इन्हीं गायिका बहिनों को सुनकर मिली है।

1. नौबतखाना कहाँ हुआ करता था?

(क) दरबार में (ख) रसूलन बाई और बतुलन बाई की ड्योढ़ी (ग) विश्वनाथ मंदिर (घ) बालाजी मंदिर

2. रसूलन बाई और बतुलन बाई कौन थीं?

(क) गायिका (ख) नर्तकी (ग) कवयित्री (घ) दासी

3. बिस्मिल्लाह खाँ की संगीत के प्रति रुचि किस प्रकार बढ़ी?

(क) टप्पे सुनकर. (ख) दादरा सुनकर (ग) ठुमरी सुनकर (घ) उपरोक्त सभी

4. अपने ढेरों साक्षात्कार में बिस्मिल्लाह खाँ साहब ने क्या स्वीकार किया?

(क) संगीत के प्रति अपनी आसक्ति को (ख) नृत्य के प्रति अपनी आसक्ति को
(ग) नाटक के प्रति अपने रुचि को (घ) गायिका बहिनों के योगदान को

5. उपरोक्त गद्यांश के आधार पर बिस्मिल्लाह खाँ साहब के चरित्र के बारे में कहा जा सकता है कि –

(क) धार्मिक रूप से कट्टर व्यक्ति थे (ख) धार्मिक रूप से उदार व्यक्ति थे
(ग) सामाजिक रूप से संवेदनशील व्यक्ति थे (घ) एक अंधविश्वासी व्यक्ति थे

प्र.8 गद्य पाठों के आधार पर निम्नलिखित चार प्रश्नों में से किन्हीं तीन प्रश्नों के उत्तर लगभग 25 से 30 शब्दों में दीजिए–

2×3=6

1. “वो लँगड़ा क्या जाएगा फौज में। पागल है पागल!” कैप्टन के प्रति पान वाले की इस व्यंग्यात्मक टिप्पणी पर अपनी प्रतिक्रिया लिखिए–
2. मन्नू भंडारी की ऐसी कौन सी खुशी थी, जो 15 अगस्त 1947 की खुशी के सामने छोटी होकर रह गई?
3. “बाल गोबिन भगत एक सामाजिक सुधारक भी थे।” पाठ के आधार पर स्पष्ट कीजिए–
4. न्यूटन को संस्कृत व्यक्ति क्यों कहा जाता था, जबकि न्यूटन से कहीं अधिक बारीकियों को जानने वाले भौतिक विज्ञान के विद्यार्थियों को सभ्य कहा जा सकता है संस्कृत नहीं। क्यों ?

प्र.9 निम्नलिखित पद्यांश पर आधारित बहुविकल्पीय प्रश्नों के सर्वाधिक उपयुक्त विकल्प चुनकर लिखिए-

1×5=5

बादल गरजो!

घेर घेर घोर गगन, धाराधर ओ!

ललित ललित काले घुँघराले,

बाल कल्पना के से पाले,

विद्युत छवि उर में, कवि नवजीवन वाले!

वज छिपा, नूतन कविता

फिर भर दो —

बादल गरजो!

1. प्रस्तुत काव्यांश में कवि किसका आवाहन कर रहे हैं?

(क) तारों का (ख) बादलों का (ग) देवताओं का (घ) सुबह का

2. बादलों का स्वरूप किसके समान लग रहा है?

(क) काले काले घुँघराले बालों के समान (ख) काले काले नागों के समान
(ग) काली काली मिट्टी के समान (घ) काले काले आसमान के समान

3. बादल और बच्चों की कल्पना में क्या समानता है?

(क) दोनों छोटे-छोटे होते हैं (ख) दोनों शोर मचाते हैं
(ग) दोनों पवित्र होते हैं (घ) दोनों कोमल होते हैं

4. निम्नलिखित पंक्तियों में से किस पंक्ति से पता चलता है कि बादलों में अपार शक्ति होती है

(क) घेर घेर घोर गगन धाराधर ओ (ख) ललित ललित काले घुँघराले
(ग) वज छिपा नूतन कविता (घ) बाल कल्पना के से पाले

6. कवि को बादलों से क्या अपेक्षा है?

(क) वह नई दिशा प्रदान करें (ख) वह नई कविता की रचना करें
(ग) वह प्रकृति की शोभा बढ़ाए (घ) वह पूरे आसमान को घेर कर घोर गर्जना करें

प्र.10 निम्नलिखित में से किन्हीं तीन प्रश्नों के उत्तर लगभग 25 से 30 शब्दों में दीजिए

2×3=6

1. कवि ने मिट्टी के गुणधर्म को पोषित करने में इंसान की भूमिका को किस प्रकार परिभाषित किया है

‘फसल’ कविता के आधार पर स्पष्ट कीजिए-

2. बच्चों की दंतुरित मुस्कान का कवि के जीवन में क्या प्रभाव पड़ा कविता के आधार पर स्पष्ट कीजिए -

3. संगतकार वैसे तो प्रतिभावान होते हुए भी शीर्ष पर नहीं पहुँच पाते लेकिन कविता में उनके महत्व को किस प्रकार प्रतिपादित किया है? स्पष्ट कीजिए-

4. परशुराम जी श्री राम को सहस्रबाहु के समान शत्रु क्यों मानते थे?

प्र.11 निम्नलिखित में से किन्हीं दो प्रश्नों के उत्तर लगभग 40 से 50 शब्दों में लिखिए-

4×2=8

1. “हम नदियों और पर्वतों के ऋणि हैं”-कैसे? ‘साना साना हाथ जोड़ि’ पाठ के आधार पर स्पष्ट कीजिए -

2. लेखक को किस घटना से अणु बम द्वारा व्यर्थ जीव नाश का अनुभव हुआ था ? उस घटना के विषय में अपने विचार लिखिए -

3 ‘माता के अंचल’ पाठ में बच्चों की दिनचर्या आजकल के बच्चों की दिनचर्या से भिन्न है, कैसे? उदाहरण सहित स्पष्ट कीजिए-

प्र.12 निम्न में से किसी एक विषय पर लगभग 100 से 150 शब्दों में अनुच्छेद लिखिए -

6

1. सौर ऊर्जा: सस्ती और स्वच्छ

भूमिका, स्रोत, देश के लिए आवश्यक क्यों, लाभ

2. विद्यार्थी जीवन में बढ़ती अनुशासनहीनता

भूमिका, सामाजिक परिवेश, विद्यार्थियों में बढ़ता असंतोष, दुष्परिणाम, निवारण

3. मधुर वचन हैं औषधि

भूमिका, भाईचारा और प्रेम, व्यक्तित्व में निखार

प्र.13 गली मोहल्ले में ठेलों पर बिकने वाले खाद्य पदार्थों की प्रमाणिकता के बारे में जानकारी देते हुए जिला रसद विभाग के अधिकारी को पत्र लिखिए -

5

अथवा

आपका मित्र पढ़ाई में बहुत अच्छा है, लेकिन किताबी कीड़ा बनकर रह गया है। उसे अन्य गतिविधियों में भी सक्रिय होने की आवश्यकता और लाभों के विषय में बताते हुए एक पत्र लिखिए -

प्र.14 आपका नाम मयंक अथवा महक है। आप फाइन आर्ट्स में स्नातक है। आपको केंद्रीय स्कूल में कला अध्यापक या अध्यापिका पद के लिए आवेदन करना है इसके लिए आप अपना एक संक्षिप्त स्ववृत्त लगभग 100 शब्दों में तैयार कीजिए -

5

अथवा

आप प्रियांशु अथवा प्रियंका है। आप विद्यालयी पाठ्यक्रम का बोझ कम करने के संबंध में सुझाव देते हुए केंद्रीय शिक्षा बोर्ड के निदेशक को तथा गुप्त प्रतिलिपि मानव संसाधन मंत्री को ईमेल लगभग 80 शब्दों में लिखिए -

प्र.15 नेत्रदान के लिए प्रोत्साहित करने हेतु स्वास्थ्य मंत्रालय की ओर से एक आकर्षक विज्ञापन तैयार कीजिए-

4

अथवा

आपकी बड़ी बहन का प्रथम प्रयास में ही मेडिकल में चयन हो गया इस अवसर पर उन्हें शुभकामना संदेश लिखिए-
