



Class – X

School Integrated Program

ENTRANCE TEST CUM SCHOLARSHIP TEST

[Time: 2 Hours]

[Max Marks: 400]

A. General:

1. *This booklet is a Question Paper containing 100 questions.*
2. *Blank Papers, Clipboards, Log Tables, slide rules, calculators, cellular phones, pagers and electronic gadgets in any form are not allowed to be carried inside the examination hall.*
3. *The answer sheet, a machine-readable optical mark recognition sheet (OMR Sheet), is provided separately.*
4. *DO NOT TAMPER WITH THE OMR OR THE BOOKLET.*
5. *Please fill your roll number correctly in the OMR sheet (answer sheet).*
6. *Both Question Paper and OMR Answer Sheet will be submitted after completion of this examination.*

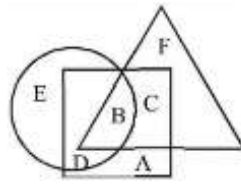
B. Question Paper Format and marking scheme:

1. *The Question Paper consists of five parts (Part I: MAT, Part II: Physics, Part III: Chemistry, Part IV: Biology, Part V: Mathematics).*
2. *Each Question carries +4 marks for correct answer and -1 mark for incorrect answer.*

MAT

1. What will come in place of question mark in the following number series?
3F, 6G, 11I, 18L, ?
(a) 21O (b) 25 N (c) 27 P (d) 27Q
 2. What will come in place of question mark in the following number series?
2,3,10,15,26,35,50,63, ?
(a) 80 (b) 82 (c) 83 (d) 84
 3. What will come in place of question mark in the following number series?
41,31,?,17,11,5
(a) 19 (b) 21 (c) 23 (d) 27
 4. Arrange the given words in the sequence in which they occur in the dictionary and then choose the correct sequence.
1. Page 2. Pagan 3. Palisade 4. Pageant
5. Palate
(a) 1,4,2,3,5 (b) 2,4,1,3,5 (c) 2,1,4,5,3 (d) 1,4,2,5,3
 5. In each of the following questions, four terms/words have been given, out of which three are alike in some manner and one is different. Choose the odd one out.
(a) POCG (b) KLIZ (c) BUDX (d) FQMV
 6. If in a certain code language, 'MIRROR' is coded as '13918181518', how will 'APPLE' be coded in the same language ?
(a) 11616125 (b) 3984145 (c) 1162254 (d) 11213147
 7. If 'SKY WAS BLUE' is 123, 'SEA IS BLUE' is 245, 'PEOPLE SWIMMING IN SEA' is 4678, 'PEOPLE LIKE SKY' is 801 and 'BIRDS IN SKY' is 169. Then 'PEOPLE LIKE BIRDS' will have the number.
(a) 809 (b) 104 (c) 036 (d) 806
- Direction (Q. 8-10) :** Read the following information carefully to answer the questions.
- (i) 'A\$ B' means 'A' is mother of 'B' (ii) 'A #B' means 'A' is father of 'B'
(iii) 'A@ B' Means 'A' is husband of 'B' (iv) 'A% B' means 'A' is daughter of 'B'
8. P@Q\$M# T indicates what relationship of P with T
(a) Paternal grandmother (b) Maternal grandmother
(c) Paternal grandfather (d) Maternal grandfather
 9. Which of the following expressions indicates 'R is the sister of H' ?
(a) H \$ D @ F # R (b) R%D@F\$H
(c) R\$D@ F#H (d) H % D @ F \$ R
 10. If F@D% K#H, then how is F related to H ?
(a) Brother-in-law (b) Sister
(c) Sister-in-law (d) Cannot be determined
 11. Jatin leaves his house and walks 12 km towards North. He turns right and walks another 12 km . He turns right again, walks 12 km more and turns left to walk 5 km . How far is he from his home and in which direction?
(a) 7 km East (b) 10 km East
(c) 17 km East (d) 24 km East

Direction (Q. 12-13) : In the following diagram, three classes of population are represented by three figures. The triangle represents the school teachers, the square represents the married persons and the circle represents the persons living in joint families.



12. Married persons living in joint families but not working as teachers are represented by
 (a) C (b) F (c) D (d) A
13. Persons who live in joint families, are unmarried and who do not work as teachers are represented by
 (a) C (b) B (c) E (d) D
14. Select a figure from the four alternatives, which when placed in the blank space of figure (X) would complete the pattern.



- (a) (b) (c) (d)

15. Select a figure from the four alternatives, which when placed in the blank space of figure (X) would complete the pattern.



- (a) (b) (c) (d)

Direction (Q.16-17) : Find the correct option for the mirror images for the following

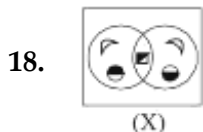
16. 3 1 2 5 6 8 ?

- (a) 3 1 2 5 6 8 (b) 8 6 5 2 1 3
 (c) 8 6 5 2 1 3 (d) 8 6 5 2 1 3

17. jealous ?

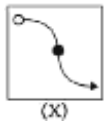
- (a) j e a l o u s (b) j e a l o u s
 (c) s o u l e a j (d) s o u l e a j

Direction (Q.18-19) : Find the correct option for the water images for the following

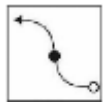


- (a) (b) (c) (d)

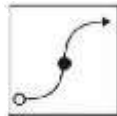
19.



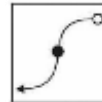
(a)



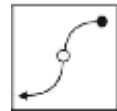
(b)



(c)



(d)

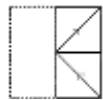


20. In the following question, find from amongst the four response figures, the one which resembles the pattern formed when the transparent sheet, carrying a design, is folded along the dotted line.



Response Figure

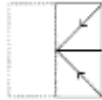
(a)



(b)



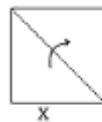
(c)



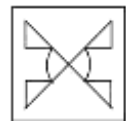
(d)



21. Consider the three figures, marked X, Y, and Z showing one fold in X, another in Y and the cut in Z. From amongst the four alternative figures a, b, c and d, select the one showing the unfolded position of Z.



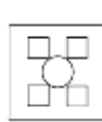
(a)



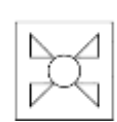
(b)



(c)



(d)



Direction (Q. 22-23) : In each of the following questions, you are given a figure (X) followed by four alternative figures (a), (b), (c) and (d) such that fig. (X) is embeded in one of them. Trace out the alternative figure which contains fig. (X) as its part.

22.



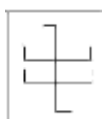
(a)



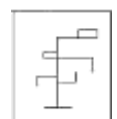
(b)



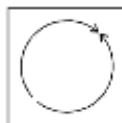
(c)



(d)



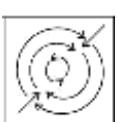
23.



(a)



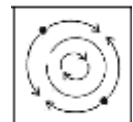
(b)



(c)



(d)



Directions(Q.24-26): A machine rearrangement gave input with both numbers and words in a particular set of rules in step by step. Based on the input given below, answer the questions following it.

Input: glass 12 42 kite lights 66 numbers 11 68 pilot

Step I: 68 pilot glass 12 42 kite lights 66 numbers 11

Step II: 66 numbers 68 pilot glass 12 42 kite lights 11

Step III: 42 lights 66 numbers 68 pilot glass 12 kite 11

Step IV: 12 kite 42 lights 66 numbers 68 pilot glass 11

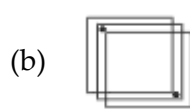
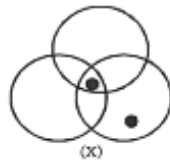
Step V: 11 glass 12 kite 42 lights 66 numbers 68 pilot

And Step V is the last step

Now, based on the above machine arrangement, solve the input given below:

Input: 23 height pencil 54 89 wage loop 61 92 merge

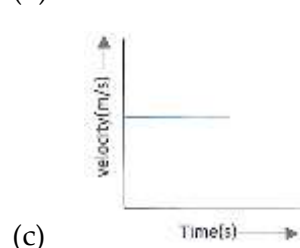
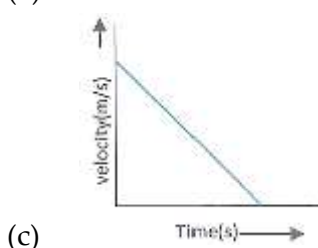
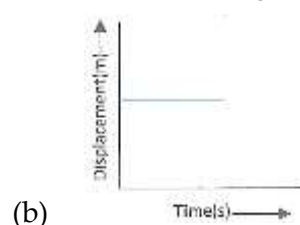
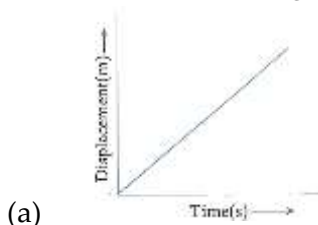
24. Which of the following is the last step?
- 92 wage 23 height pencil 54 89 loop 61 merge
 - 23 height 54 loop 61 merge 89 pencil 92 wage
 - 89 pencil 92 wage 23 height 54 loop 61 merge
 - 61 merge 89 pencil 92 wage 23 height 54 loop
25. How many steps are required get the final result?
- Six
 - Five
 - Three
 - Four
26. What is the 3rd element from left in Step III?
- Pencil
 - Height
 - 89
 - 61
27. In the following question there is a diagram marked in which one or more dots have been placed in certain positions. Examine the placement of these dots carefully. From the four choices given below dots, select the one in which the placement of dots is similar to that in the diagram marked (X).



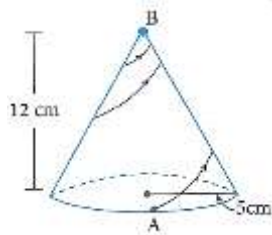
28. Find the exact time between 7 am and 8 am when the two hands of a watch meet ?
- 7 hrs 35 min
 - 7 hrs 36.99 min
 - 7 hrs 38.18 min
 - 7 hrs 42.6 min
29. On January 12, 1980, it was Saturday. The day of the week on January 12, 1979 was -
- Saturday
 - Friday
 - Sunday
 - Thursday
30. In the following question, three statements of numbers following same rules are given. Find the rule and accordingly find the value of the number?
- If $84 \oplus 72 = 45$; $63 \oplus 41 = 33$, $25 \oplus 52 = 33$, then $94 \oplus 82 = ?$
- 45
 - 59
 - 56
 - 65

PHYSICS

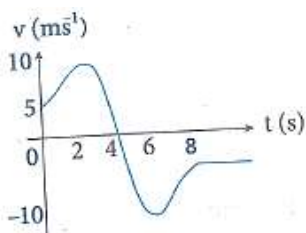
31. Which of the following graphs represents accelerated motion of a moving object?



32. An insect starts climbing a conical birthday hat of radius 5 cm at base. It starts from point A and reaches point B, taking spiral path on the hat. Find out its displacement if height is 12 cm

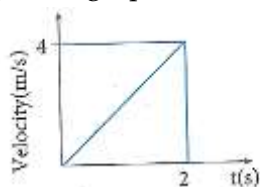


- (a) 12 cm (b) 8 cm (c) 13 cm (d) 25 cm
33. A body moves with constant angular velocity on a circle. Magnitude of angular acceleration :-
 (a) $r\omega^2$ (b) Constant and non – zero
 (c) Zero (d) None of the above
34. For a particle in a non-uniform accelerated circular motion
 (a) Velocity is radial and acceleration is transverse only.
 (b) Velocity is transverse and acceleration is radial only.
 (c) Velocity is radial and acceleration has both radial and transverse components.
 (d) Velocity is transverse and acceleration has both radial and transverse components.
35. A particle moves with constant speed v along a circular path of radius r and completes the circle in time T . The acceleration of the particle is
 (a) $2\pi v/T$ (b) $2\pi r/T$ (c) $2\pi r^2/T$ (d) $2\pi v^2/T$
36. A body covers one-third of the time with a velocity v_1 the second one-third of the time with a velocity v_2 , and the last one-third of the time with a velocity v_3 . The average velocity is:
 (a) $\frac{v_1+v_2+v_3}{3}$ (b) $\frac{3v_1v_2v_3}{v_1v_2+v_2v_3+v_3v_1}$ (c) $\frac{v_1v_2+v_2v_3+v_3v_1}{3}$ (d) $\frac{v_1v_2v_3}{3}$
37. An aeroplane is flying with a uniform speed of 100 m/s along a circular path of radius 100 m. The angular speed of the aeroplane will be
 (a) 1rad/sec (b) 2 rad/sec (c) 3 rad/sec (d) 4 rad/sec
38. A particle is moving in a straight line. Its velocity time graph is shown in figure. Its speed is minimum at $t = \underline{\hspace{1cm}}$

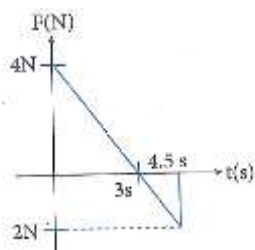


- (a) 2 s (b) 4 s (c) 6 s (d) 8 s
39. The angular velocity of a wheel is 70rad/s. If the radius of the wheel is 0.5 m , then linear velocity of a point on the rim of the wheel is
 (a) 70 m/s (b) 35 m/s (c) 30 m/s (d) 20 m/s
40. A wicket keeper in a game of cricket pulls his hands backwards after holding the cricket ball shot on the play ground?
 (a) In order to get better grip on the ball.
 (b) In order to reduce the kinetic energy of the ball.
 (c) To follow the newton third law.
 (d) To decrease the impulse applied by the ball on the hand.

41. A man is standing on a weighing machine kept in a moving lift. Weighing machine shows that his weight decreases slightly than his actual weight. It means that motion of the lift is
- (a) Uniform (b) Accelerated downwards
(c) Accelerated upwards (d) None of these
42. Jet engine works on the principle of
- (a) Newton third law of motion (b) Conservation of linear momentum
(c) Conservation of kinetic energy (d) Both (1) and (2)
43. For a body of 25 kg mass, the velocity-time graph is shown in figure. The force acting on the body is: -

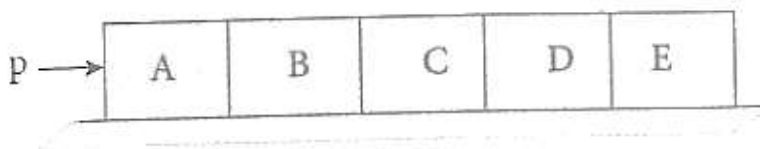


- (a) 25 N (b) 50 N (c) 12.5 N (d) 100 N
44. A body of mass 2 kg is free to move along x -axis. It is at rest at $t = 0$. From $t = 0$ onward it is subjected to a time -dependent force $F(t)$ in x-direction. The variation of F with time is as shown.



The change in momentum during journey is (in N - s):

- (a) 4.50 (b) 7.50 (c) 5.06 (d) 14.06
45. Five identical cubes each of mass m are on a straight line with two adjacent faces in contact on a horizontal surface as shown in the figure. Suppose the surface is frictionless and a constant force P is applied from left to right to the end face of A; which of the following statements are correct ?



- (a) The acceleration of the system is $\frac{5P}{m}$
(b) The resultant force acting on each cube is P
(c) The force exerted by C on D is $\frac{2P}{5}$
(d) The acceleration of the cube D is $\frac{P}{m}$

CHEMISTRY

46. Which of the following is a liquid metal?
- (a) Copper (b) Mercury (c) Bromine (d) Silver
47. Brass contains
- (a) Gold and copper (b) Copper and zinc
(c) Copper and silver (d) Copper and tin
48. Which of the following is the second most abundant metal in the earth's crust?
- (a) Copper (b) Aluminium
(c) Iron (d) Zinc

49. Which of the following is/are example of suspension?
- (a) Muddy water (b) Slaked lime in water
(c) Paints (d) All of these
50. Which of the following is an example of emulsion?
- (a) Face cream (b) Shaving cream
(c) Honey (d) Smoke
51. Which of the following will show Tyndall effect?
- (a) Starch solution (b) Sodium chloride solution
(c) Copper sulphate solution (d) Sugar solution
52. If an electron jumps from orbit A to orbit B, it loses energy and if it jumps from C to B it gains energy. Arrange the orbits in the increasing order of distance from the nucleus.
- (a) $A < B < C$ (b) $C < A < B$
(c) $C < B < A$ (d) $A < C < B$
53. Which of the following statements are correct regarding the elements given below?
 ${}^{39}_{19}\text{U}$, ${}^{127}_{53}\text{V}$, ${}^{35}_{17}\text{W}$, ${}^{80}_{35}\text{X}$, ${}^{40}_{18}\text{Y}$
- I. The correct order of increasing proton number is $U < W < X < V < Y$.
 II. The correct order of increasing mass number is $W < U < Y < X < V$.
 III. There is difference in the orders of proton number and mass number.
 IV. The number of protons is equal to number of neutrons in all the given elements.
- (a) I and IV only (b) II and IV only
(c) I and II only (d) II and III only
54. The isotopes of an element have
- (a) Same number of neutrons (b) Same atomic number
(c) Same mass number (d) None of these
55. Which of the following statements is not correct for Bohr's model of an atom?
- (a) The nucleus of an atom is situated at its centre.
(b) The electrons move in circular orbits.
(c) Electrons can jump from one orbit to another.
(d) An electron neither loses nor gains energy when it jumps from one orbit to another.
56. The number of electrons in an element with atomic number X and atomic mass Y will be
- (a) $(X - Y)$ (b) $(X + Y)$
(c) $(Y - X)$ (d) X
57. The formula of the sulphate of an element X is $\text{X}_2(\text{SO}_4)_3$. The formula of nitride of the element X is
- (a) X_2N (b) XN_2 (c) XN (d) X_2N_3
58. Avogadro number represents the number of atoms in ____.
- (a) 12 grams of ${}^{12}\text{C}$. (b) 320 grams of sulphur.
(c) 32 grams of oxygen (d) 1 gram of ${}^{12}\text{C}$.
59. The number of carbon atoms in 1 g of CaCO_3 is
- (a) 6.022×10^{23} (b) 6.022×10^{21}
(c) 3.0125×10^{22} (d) 1.204×10^{23}
60. The mass of a single atom of carbon is
- (a) 12 g (b) 1/12 g
(c) 1.99×10^{-23} g (d) 1.99×10^{23} g

BIOLOGY

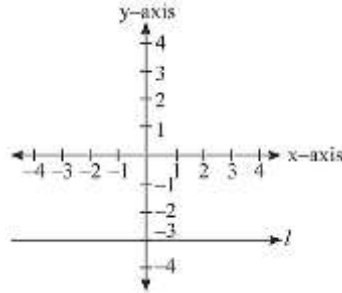
61. A cell is placed in a solution, and after some time, it swells up and bursts. What kind of solution was the cell placed in ?
- (a) Hypertonic solution (b) Isotonic solution
(c) Hypotonic solution (d) Saturated solution
62. Which of the following cell organelles is responsible for cellular scavenging and disposing of worn-out cell parts?
- (a) Golgi apparatus (b) Lysosomes
(c) Mitochondria (d) Endoplasmic reticulum
63. While observing a slide of a plant tissue under a microscope, a student notices cells with irregularly thickened corners due to cellulose and pectin deposition, leaving very little intercellular space. Which tissue is this?
- (a) Parenchyma (b) Sclerenchyma
(c) Collenchyma (d) Xylem
64. Flexibility in plants is largely due to which permanent tissue?
- (a) Collenchyma (b) Sclerenchyma
(c) Parenchyma (d) Chlorenchyma
65. Which type of epithelial tissue forms the lining of kidney tubules and salivary glands, providing mechanical support?
- (a) Squamous epithelium (b) Cuboidal epithelium
(c) Columnar epithelium (d) Stratified squamous epithelium
66. In a list of organisms containing Amoeba, Hydra, Yeast, and Spirogyra, which one reproduces by the process of multiple fission under unfavorable conditions?
- (a) Hydra (b) Yeast
(c) Amoeba (d) Spirogyra
67. Plants like ferns and mosses reproduce without setting seeds. They belong to which group and reproduce using which structure?
- (a) Phanerogams, Seeds (b) Cryptogams, Spores
(c) Angiosperms, Fruits (d) Gymnosperms, Cones
68. Consider the following statements regarding sexual reproduction:
- I. It involves the fusion of male and female gametes.
II. It results in offspring that are genetically identical to a single parent.
- Which of the statements is/are correct?
- (a) Only I (b) Only II
(c) Both I and II (d) Neither I nor II
69. Whittaker's five-kingdom classification system is primarily based on which of the following criteria?
- (a) Mode of locomotion and reproduction
(b) Cell structure, mode of nutrition, and body organization
(c) Presence or absence of a cell wall only
(d) Habitat and geographic distribution
70. An organism is eukaryotic, multicellular, heterotrophic, and possesses a cell wall made of chitin. To which kingdom does it belong?
- (a) Plantae (b) Monera
(c) Protista (d) Fungi

71. Which group of plants is famously known as the "amphibians of the plant kingdom"?
- (a) Thallophyta (b) Bryophyta
(c) Pteridophyta (d) Gymnosperms
72. Karl von Linné (Carl Linnaeus) is famous for introducing which system of naming organisms?
- (a) Monomial nomenclature (b) Trinomial nomenclature
(c) Binomial nomenclature (d) Phylogenetic nomenclature
73. Which of the following muscular tissues is involuntary, lacks striations, and is found in the walls of internal organs like the stomach?
- (a) Skeletal muscle (b) Smooth muscle
(c) Cardiac muscle (d) Striated muscle
74. Chromosomes are made up of which of the following components?
- (a) DNA only (b) Protein only
(c) DNA and Protein (d) RNA and Carbohydrates
75. Organisms belonging to Phylum Nematoda (Aschelminthes) are characterized by having:
- (a) A true coelom (b) Pseudocoelom (false body cavity)
(c) No body cavity at all (d) Radial symmetry

MATHEMATICS

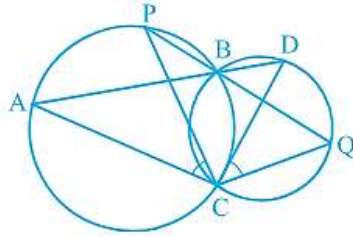
76. If P and Q are two polynomials of degree 5 and 4 respectively, then find the degree of $P - Q$.
- (a) 1 (b) 5
(c) 4 (d) Cannot be determined
77. If $x^4 - x^3 + ax^2 + x + b$ is exactly divisible by $(x + 2)$ as well as $(x - 3)$, then.
- (a) $a + b = 1$ (b) $a + 2b = 5$ (c) $a = b + 1$ (d) All the above
78. $x = -5$ and $y = 1$ is a solution of the linear equation
- (a) $x - 2y = 7$ (b) $3y - x = -8$ (c) $6y - x = 11$ (d) $3x = 15y$
79. The area of a square whose vertices of a diagonal are (2,3) and (7,8) is
- (a) 36 units² (b) 30 units²
(c) 25 units² (d) Can not be determined
80. A boat in the direction of flow covers a distance of 60 km in 4 hours. If the speed of the boat is four times the speed of the flow, then how much distance will it cover in 3 hours opposite to the flow?
- (a) 18 km (b) 27 km (c) 36 km (d) 45 km
81. The sum of three distinct real numbers in an Arithmetic Progression (AP) is 15. If we add 1, 4, and 19 to the first, second, and third terms respectively, the resulting numbers form a strictly increasing Geometric Progression (GP). What is the sum of all possible common ratios of this GP?
- (a) $\frac{10}{3}$ (b) 3 (c) $-\frac{8}{3}$ (d) $\frac{1}{3}$
82. A sequence is defined explicitly by its first term $t_1 = 2$ and the recursive formula $t_{n+1} = \frac{t_n - 1}{t_n + 1}$ for all $n \geq 1$. Find the value of t_{2026} .
- (a) 2 (b) $\frac{1}{3}$ (c) $-\frac{1}{2}$ (d) -3
83. Tom is thrice as good workman as John and therefore is able to finish a job in 60 days less than John. Working together, how many days will be required to complete the job?
- (a) 45 days (b) 22.5 days
(c) 67.5 days (d) Cannot be calculated

84. Let M is a two-digit number and it has exactly four positive factors. Note that here 1 and M are also a factor of M . How many different values of M are possible?
- (a) 30 (b) 44 (c) 54 (d) None of these
85. In a fraction, if numerator is increased by 2 and denominator is increased by 3, it becomes $\frac{3}{4}$ and if numerator is decreased by 3 and denominator is decreased by 6, it becomes $\frac{4}{3}$. Find the sum of the numerator and denominator.
- (a) 12 (b) 15 (c) 19 (d) 16
86. In the graph as shown below, the equation of the line l is:

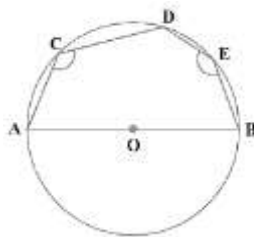


- (a) $x = -3$ (b) $y = -3$ (c) $x - 3 = 0$ (d) $y - 3 = 0$
87. How many rational numbers are possible in between $\frac{299}{301}$ and $\frac{300}{301}$?
- (a) 0 (b) 1 (c) infinite (d) 301
88. If $m = \sqrt{10} - \sqrt{6}$ and $n = \sqrt{10} + \sqrt{6}$ then find the value of $m^3 - n^3 + 88\sqrt{6}$
- (a) $-36\sqrt{6}$ (b) $52\sqrt{6}$ (c) $-72\sqrt{6}$ (d) $16\sqrt{6}$
89. The degree of a non-zero constant polynomial is
- (a) zero (b) one (c) two (d) infinite
90. Factorize: $x^3 - 12x^2 + 47x - 60$
- (a) $(x - 3)(x - 4)(x - 5)$ (b) $(x - 2)(x - 6)(x - 5)$
(c) $(x - 1)(x - 5)(x - 12)$ (d) $(x - 1)(x - 6)(x - 10)$
91. Evaluate the sum of the first 2026 terms of the alternating series of square numbers:
- $$1^2 - 2^2 + 3^2 - 4^2 + 5^2 - 6^2 + \dots$$
- (a) 1013×2027 (b) -1013×2025
(c) -2026×2027 (d) -1013×2027
92. A bag contains 5 red balls and some blue balls. If the probability of drawing a blue ball is double that of drawing a red ball, find the number of blue balls in the bag.
- (a) 5 (b) 10 (c) 15 (d) 20
93. A point is chosen randomly inside a circle of radius R . What is the probability that the chosen point is closer to the circumference of the circle than it is to the center?
- (a) $\frac{1}{2}$ (b) $\frac{1}{4}$ (c) $\frac{3}{4}$ (d) $\frac{1}{3}$
94. If two fractions are p and q such that both lies between 0 and 1, then
- (a) The product of p and q will always be greater than both p and q separately.
(b) The division of p to q i.e. p/q will always be greater than 1.
(c) The product of p and q will always be greater than sum of p and q .
(d) The product of p and q will always be less than either of the fractions p or q .

95. Two circles intersect at two points B and C. Through B, two line segments ABD and PBQ are drawn to intersect the circles at A, D and P, Q respectively (see Fig.). Then, $\angle ACP =$



- (a) $\angle QCD$ (b) $\frac{1}{2}\angle QCD$ (c) $\frac{2}{3}\angle QCD$ (d) None of these
96. Two crossroads, each of width 5 meters, run at right angles through the exact centre of a rectangular park measuring 70 meters in length and 45 meters in breadth. One road is parallel to the length, and the other is parallel to the breadth. What is the area of the remaining portion of the park (excluding the crossroads), expressed in hectares?
- (a) 0.055 hectares (b) 2.600 hectares
(c) 0.315 hectares (d) 0.260 hectares
97. A sports field is built in the shape of a rectangle with two identical semicircles attached to its shorter sides. The length of the rectangular portion is 30 meters, and its breadth is 14 meters. If we ignore units, what is the numerical difference between the total area of the field and its total perimeter?
(Take $\pi = \frac{22}{7}$)
- (a) 104 (b) 470 (c) 574 (d) 316
98. The figure formed by joining the midpoints of the sides of a quadrilateral PQRS, taken in order is a square only if
- (a) diagonals of PQRS are perpendicular
(b) diagonals of PQRS are equal
(c) PQRS is a rhombus
(d) diagonals of PQRS are equal and perpendicular
99. In Fig. AOB is a diameter of the circle and C, D, E are any three points on the semi-circle. Find the value of $\angle ACD + \angle BED$.



- (a) 90° (b) 180° (c) 270° (d) 360°
100. ABCD is a rhombus such that $\angle ACB = 40^\circ$. Then $\angle ADB$ is
- (a) 40° (b) 45° (c) 50° (d) 60°