



Sri Raghavendra Tuition Center

ONE MARK

10th Standard

Maths

Date : 25-10-24

Reg.No. :

Exam Time : 01:00 Hrs

Total Marks : 100

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I. Multiple Choice Question

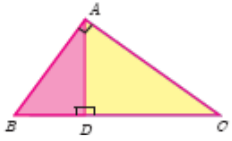
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- 1) If $n(A \times B) = 6$ and $A = \{1,3\}$ then $n(B)$ is
(a) 1 (b) 2 (c) 3 (d) 6
- 2) If $A = \{1, 2\}$, $B = \{1, 2, 3, 4\}$, $C = \{5, 6\}$ and $D = \{5, 6, 7, 8\}$ then state which of the following statement is true..
(a) $(A \times C) \subset (B \times D)$ (b) $(B \times D) \subset (A \times C)$ (c) $(A \times B) \subset (A \times D)$ (d) $(D \times A) \subset (B \times A)$
- 3) If there are 1024 relations from a set $A = \{1, 2, 3, 4, 5\}$ to a set B , then the number of elements in B is
(a) 3 (b) 2 (c) 4 (d) 8
- 4) The range of the relation $R = \{(x, x^2) \mid x \text{ is a prime number less than } 13\}$ is
(a) $\{2,3,5,7\}$ (b) $\{2,3,5,7,11\}$ (c) $\{4,9,25,49,121\}$ (d) $\{1,4,9,25,49,121\}$
- 5) Let $n(A) = m$ and $n(B) = n$ then the total number of non-empty relations that can be defined from A to B is
(a) m^n (b) n^m (c) $2^{mn}-1$ (d) 2^{mn}
- 6) If $\{(a, 8), (6, b)\}$ represents an identity function, then the value of a and b are respectively
(a) (8,6) (b) (8,8) (c) (6,8) (d) (6,6)
- 7) Let $A = \{1, 2, 3, 4\}$ and $B = \{4, 8, 9, 10\}$. A function $f: A \rightarrow B$ given by $f = \{(1, 4), (2, 8), (3, 9), (4,10)\}$ is a
(a) Many-one function (b) Identity function (c) One-to-one function (d) Into function
- 8) If $f(x) = 2x^2$ and $g(x) = \frac{1}{3x}$, then $f \circ g$ is
(a) $\frac{3}{2x^2}$ (b) $\frac{2}{3x^2}$ (c) $\frac{2}{9x^2}$ (d) $\frac{1}{6x^2}$
- 9) If $f: A \rightarrow B$ is a bijective function and if $n(B) = 7$, then $n(A)$ is equal to
(a) 7 (b) 49 (c) 1 (d) 14
- 10) Let f and g be two functions given by
 $f = \{(0,1), (2,0), (3,-4), (4,2), (5,7)\}$
 $g = \{(0,2), (1,0), (2,4), (-4,2), (7,0)\}$ then the range of $f \circ g$ is
(a) $\{0,2,3,4,5\}$ (b) $\{-4,1,0,2,7\}$ (c) $\{1,2,3,4,5\}$ (d) $\{0,1,2\}$
- 11) Let $f(x) = \sqrt{1+x^2}$ then
(a) $f(xy) = f(x).f(y)$ (b) $f(xy) \geq f(x).f(y)$ (c) $f(xy) \leq f(x).f(y)$ (d) None of these
- 12) If $g = \{(1,1), (2,3), (3,5), (4,7)\}$ is a function given by $g(x) = ax + \beta$ then the values of a and β are
(a) (-1,2) (b) (2,-1) (c) (-1,-2) (d) (1,2)

- 13) $f(x) = (x + 1)^3 - (x - 1)^3$ represents a function which is
 (a) linear (b) cubic (c) reciprocal (d) quadratic
- 14) Euclid's division lemma states that for positive integers a and b, there exist unique integers q and r such that $a = bq + r$, where r must satisfy
 (a) $1 < r < b$ (b) $0 < r < b$ (c) $0 \leq r < b$ (d) $0 < r \leq b$
- 15) Using Euclid's division lemma, if the cube of any positive integer is divided by 9 then the possible remainders are
 (a) 0, 1, 8 (b) 1, 4, 8 (c) 0, 1, 3 (d) 0, 1, 3
- 16) If the HCF of 65 and 117 is expressible in the form of $65m - 117$, then the value of m is
 (a) 4 (b) 2 (c) 1 (d) 3
- 17) $7^{4k} \equiv \underline{\hspace{2cm}} \pmod{100}$
 (a) 1 (b) 2 (c) 3 (d) 4
- 18) Given $F_1 = 1$, $F_2 = 3$ and $F_n = F_{n-1} + F_{n-2}$ then F_5 is
 (a) 3 (b) 5 (c) 8 (d) 11
- 19) The first term of an arithmetic progression is unity and the common difference is 4. Which of the following will be a term of this A.P.
 (a) 4551 (b) 10091 (c) 7881 (d) 13531
- 20) An A.P. consists of 31 terms. If its 16th term is m, then the sum of all the terms of this A.P. is
 (a) 16 m (b) 62 m (c) 31 m (d) $\frac{31}{2}$ m
- 21) In an A.P., the first term is 1 and the common difference is 4. How many terms of the A.P. must be taken for their sum to be equal to 120?
 (a) 6 (b) 7 (c) 8 (d) 9
- 22) If $A = 2^{65}$ and $B = 2^{64} + 2^{63} + 2^{62} + \dots + 2^0$ Which of the following is true?
 (a) B is 2^{64} more than A (b) A and B are equal (c) B is larger than A by 1 (d) A is larger than B by 1
- 23) The next term of the sequence $\frac{3}{16}, \frac{1}{8}, \frac{1}{12}, \frac{1}{18}, \dots$ is
 (a) $\frac{1}{24}$ (b) $\frac{1}{27}$ (c) $\frac{2}{3}$ (d) $\frac{1}{81}$
- 24) If the sequence t_1, t_2, t_3, \dots are in A.P. then the sequence $t_6, t_{12}, t_{18}, \dots$ is
 (a) a Geometric Progression (b) an Arithmetic Progression (c) neither an Arithmetic Progression nor a Geometric Progression
 (d) a constant sequence
- 25) The value of $(1^3 + 2^3 + 3^3 + \dots + 15^3) - (1 + 2 + 3 + \dots + 15)$ is
 (a) 14400 (b) 14200 (c) 14280 (d) 14520
- 26) A system of three linear equations in three variables is inconsistent if their planes
 (a) intersect only at a point (b) intersect in a line (c) coincides with each other (d) do not intersect
- 27) The solution of the system $x + y - 3z = -6$, $-7y + 7z = 7$, $3z = 9$ is
 (a) $x = 1, y = 2, z = 3$ (b) $x = -1, y = 2, z = 3$ (c) $x = -1, y = -2, z = 3$ (d) $x = 1, y = -2, z = 3$
- 28) If $(x - 6)$ is the HCF of $x^2 - 2x - 24$ and $x^2 - kx - 6$ then the value of k is
 (a) 3 (b) 5 (c) 6 (d) 8
- 29) $\frac{3y-3}{y} \div \frac{7y-7}{3y^2}$ is
 (a) $\frac{9y}{7}$ (b) $\frac{9y^2}{(21y-21)}$ (c) $\frac{21y^2-42y+21}{3y^2}$ (d) $\frac{7(y^2-2y+1)}{y^2}$
- 30) $\frac{x}{x^2-25} - \frac{8}{x^2+6x+5}$ gives
 (a) $\frac{x^2-7x+40}{(x-5)(x+5)}$ (b) $\frac{x^2+7x+40}{(x-5)(x+5)(x+1)}$ (c) $\frac{x^2-7x+40}{(x^2-25)(x+1)}$ (d) $\frac{x^2+10}{(x^2-25)(x+1)}$

- 31) The square root of $\frac{256x^8y^4z^{10}}{25x^6y^6z^6}$ is equal to
 (a) $\frac{16}{5} \left| \frac{x^2z^4}{y^2} \right|$ (b) $16 \left| \frac{y^2}{x^2z^4} \right|$ (c) $\frac{16}{5} \left| \frac{y}{xz^2} \right|$ (d) $\frac{16}{5} \left| \frac{xz^2}{y} \right|$
- 32) Which of the following should be added to make $x^4 + 64$ a perfect square
 (a) $4x^2$ (b) $16x^2$ (c) $8x^2$ (d) $-8x^2$
- 33) The values of a and b if $4x^4 - 24x^3 + 76x^2 + ax + b$ is a perfect square are
 (a) 100, 120 (b) 10, 12 (c) -120, 100 (d) 12, 10
- 34) If the roots of the equation $q^2x^2 + p^2x + r^2 = 0$ are the squares of the roots of the equation $qx^2 + px + r = 0$, then q, p, r are in _____.
 (a) A.P (b) G.P (c) Both A.P and G.P (d) none of these
- 35) Graph of a linear equation is a _____
 (a) straight line (b) circle (c) parabola (d) hyperbola
- 36) The number of points of intersection of the quadratic polynomial $x^2 + 4x + 4$ with the X axis is
 (a) 0 (b) 1 (c) 0 or 1 (d) 2
- 37) For the given matrix $A = \begin{pmatrix} 1 & 3 & 5 & 7 \\ 2 & 4 & 6 & 8 \\ 9 & 11 & 13 & 15 \end{pmatrix}$ the order of the matrix A^T is
 (a) 2×3 (b) 3×2 (c) 3×4 (d) 4×3
- 38) If A is a 2×3 matrix and B is a 3×4 matrix, how many columns does AB have
 (a) 3 (b) 4 (c) 2 (d) 5
- 39) Transpose of a column matrix is
 (a) unit matrix (b) diagonal matrix (c) column matrix (d) row matrix
- 40) If $A = \begin{pmatrix} 1 & 2 & 3 \\ 3 & 2 & 1 \end{pmatrix}$, $B = \begin{pmatrix} 1 & 0 \\ 2 & -1 \\ 0 & 2 \end{pmatrix}$ and $C = \begin{pmatrix} 0 & 1 \\ -2 & 5 \end{pmatrix}$, Which of the following statements are correct?
 (i) $AB + C = \begin{pmatrix} 5 & 5 \\ 5 & 5 \end{pmatrix}$
 (ii) $BC = \begin{pmatrix} 0 & 1 \\ 2 & -3 \\ -4 & 10 \end{pmatrix}$
 (iii) $BA + C = \begin{pmatrix} 2 & 5 \\ 3 & 0 \end{pmatrix}$
 (iv) $(AB)C = \begin{pmatrix} -8 & 20 \\ -8 & 13 \end{pmatrix}$
 (a) (i) and (ii) only (b) (ii) and (iii) only (c) (iii) and (iv) only (d) all of these
- 41) If in triangles ABC and EDF, $\frac{AB}{DE} = \frac{BC}{FD}$ then they will be similar, when
 (a) $\angle B = \angle E$ (b) $\angle A = \angle D$ (c) $\angle B = \angle D$ (d) $\angle A = \angle F$
- 42) In $\triangle LMN$, $\angle L = 60^\circ$, $\angle M = 50^\circ$. If $\triangle LMN \sim \triangle PQR$ then the value of $\angle R$ is
 (a) 40° (b) 70° (c) 30° (d) 110°
- 43) If $\triangle ABC$ is an isosceles triangle with $\angle C = 90^\circ$ and $AC = 5$ cm, then AB is
 (a) 2.5 cm (b) 5 cm (c) 10 cm (d) $5\sqrt{2}$ cm
- 44) In a $\triangle ABC$, AD is the bisector $\angle BAC$. If $AB = 8$ cm, $BD = 6$ cm and $DC = 3$ cm. The length of the side AC is
 (a) 6 cm (b) 4 cm (c) 3 cm (d) 8 cm

- 45) In the adjacent figure $\angle BAC = 90^\circ$ and $AD \perp BC$ then

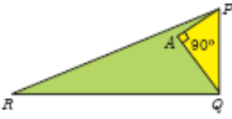


- (a) $BD \cdot CD = BC^2$ (b) $AB \cdot AC = BC^2$ (c) $BD \cdot CD = AD^2$ (d) $AB \cdot AC = AD^2$

- 46) Two poles of heights 6 m and 11 m stand vertically on a plane ground. If the distance between their feet is 12 m, what is the distance between their tops?

- (a) 13 m (b) 14 m (c) 15 m (d) 12.8 m

- 47) In the given figure, $PR = 26$ cm, $QR = 24$ cm, $\angle PAQ = 90^\circ$, $PA = 6$ cm and $QA = 8$ cm. Find $\angle PQR$



- (a) 80° (b) 85° (c) 75° (d) 90°

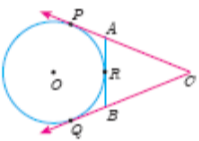
- 48) A tangent is perpendicular to the radius at the

- (a) centre (b) point of contact (c) infinity (d) chord

- 49) The two tangents from an external points P to a circle with centre at O are PA and PB. If $\angle APB = 70^\circ$ then the value of $\angle AOB$ is

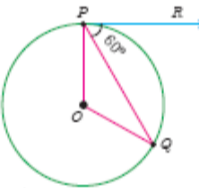
- (a) 100° (b) 110° (c) 120° (d) 130°

- 50) In figure CP and CQ are tangents to a circle with centre at O. ARB is another tangent touching the circle at R. If $CP = 11$ cm and $BC = 7$ cm, then the length of BR is



- (a) 6 cm (b) 5 cm (c) 8 cm (d) 4 cm

- 51) In figure if PR is tangent to the circle at P and O is the centre of the circle, then $\angle PQR$ is



- (a) 120° (b) 100° (c) 110° (d) 90°

- 52) The area of triangle formed by the points $(-5, 0)$, $(0, -5)$ and $(5, 0)$ is

- (a) 0 sq. units (b) 25 sq. units (c) 5 sq. units (d) none of these

- 53) A man walks near a wall, such that the distance between him and the wall is 10 units. Consider the wall to be the Y axis. The path travelled by the man is

- (a) $x = 10$ (b) $y = 10$ (c) $x = 0$ (d) $y = 0$

- 54) The straight line given by the equation $x = 11$ is

- (a) parallel to X axis (b) parallel to Y axis (c) passing through the origin (d) passing through the point $(0, 11)$

- 55) If $(5, 7)$, $(3, p)$ and $(6, 6)$ are collinear, then the value of p is

- (a) 3 (b) 6 (c) 9 (d) 12

- 56) The slope of the line which is perpendicular to a line joining the points $(0, 0)$ and $(-8, 8)$ is

- (a) -1 (b) 1 (c) $\frac{1}{3}$ (d) -8

- 57) If slope of the line PQ is $\frac{1}{\sqrt{3}}$ then slope of the perpendicular bisector of PQ is

- (a) $\sqrt{3}$ (b) $-\sqrt{3}$ (c) $\frac{1}{\sqrt{3}}$ (d) 0

- 58) If A is a point on the Y axis whose ordinate is 8 and B is a point on the X axis whose abscissae is 5 then the equation of the line AB is

- (a) $8x + 5y = 40$ (b) $8x - 5y = 40$ (c) $x = 8$ (d) $y = 5$

- 59) The equation of a line passing through the origin and perpendicular to the line $7x - 3y + 4 = 0$ is
 (a) $7x - 3y + 4 = 0$ (b) $3x - 7y + 4 = 0$ (c) $3x + 7y = 0$ (d) $7x - 3y = 0$
- 60) Consider four straight lines
 (i) $l_1 : 3y = 4x + 5$
 (ii) $l_2 : 4y = 3x - 1$
 (iii) $l_3 : 4y + 3x = 7$
 (iv) $l_4 : 4x + 3y = 2$
 Which of the following statement is true?
 (a) l_1 and l_2 are perpendicular (b) l_1 and l_4 are parallel (c) l_2 and l_4 are perpendicular (d) l_2 and l_3 are parallel
- 61) A straight line has equation $8y = 4x + 21$. Which of the following is true
 (a) The slope is 0.5 and the y intercept is 2.6 (b) The slope is 5 and the y intercept is 1.6
 (c) The slope is 0.5 and the y intercept is 1.6 (d) The slope is 5 and the y intercept is 2.6
- 62) When proving that a quadrilateral is a trapezium, it is necessary to show
 (a) Two sides are parallel (b) Two parallel and two non-parallel sides (c) Opposite sides are parallel
 (d) All sides are of equal length
- 63) When proving that a quadrilateral is a parallelogram by using slopes you must find
 (a) The slopes of two sides (b) The slopes of two pair of opposite sides (c) The lengths of all sides
 (d) Both the lengths and slopes of two sides
- 64) (2, 1) is the point of intersection of two lines.
 (a) $x - y - 3 = 0$; $3x - y - 7 = 0$ (b) $x + y = 3$; $3x + y = 7$ (c) $3x + y = 3$; $x + y = 7$ (d) $x + 3y - 3 = 0$; $x - y - 7 = 0$
- 65) The value of $\sin^2\theta + \frac{1}{1+\tan^2\theta}$ is equal to
 (a) $\tan^2\theta$ (b) 1 (c) $\cot^2\theta$ (d) 0
- 66) $\tan\theta \operatorname{cosec}^2\theta - \tan\theta$ is equal to
 (a) $\sec\theta$ (b) $\cot^2\theta$ (c) $\sin\theta$ (d) $\cot\theta$
- 67) If $5x = \sec\theta$ and $\frac{5}{x} = \tan\theta$, then $x^2 - \frac{1}{x^2}$ is equal to
 (a) 25 (b) $\frac{1}{25}$ (c) 5 (d) 1
- 68) If $\sin\theta = \cos\theta$, then $2\tan^2\theta + \sin^2\theta - 1$ is equal to
 (a) $-\frac{3}{2}$ (b) $\frac{3}{2}$ (c) $\frac{2}{3}$ (d) $-\frac{2}{3}$
- 69) If $x = a \tan\theta$ and $y = b \sec\theta$ then
 (a) $\frac{y^2}{b^2} - \frac{x^2}{a^2} = 1$ (b) $\frac{x^2}{a^2} - \frac{y^2}{b^2} = 1$ (c) $\frac{x^2}{a^2} + \frac{y^2}{b^2} = 1$ (d) $\frac{x^2}{a^2} - \frac{y^2}{b^2} = 0$
- 70) $(1 + \tan\theta + \sec\theta)(1 + \cot\theta - \operatorname{cosec}\theta)$ is equal to
 (a) 0 (b) 1 (c) 2 (d) -1
- 71) If the ratio of the height of a tower and the length of its shadow is $\sqrt{3} : 1$, then the angle of elevation of the sun has measure
 (a) 45° (b) 30° (c) 90° (d) 60°
- 72) The electric pole subtends an angle of 30° at a point on the same level as its foot. At a second point 'b' metres above the first, the depression of the foot of the pole is 60° . The height of the pole (in metres) is equal to
 (a) $\sqrt{3}b$ (b) $\frac{b}{3}$ (c) $\frac{b}{2}$ (d) $\frac{b}{\sqrt{3}}$
- 73) A tower is 60 m height. Its shadow is x metres shorter when the sun's altitude is 45° than when it has been 30° , then x is equal to
 (a) 41.92 m (b) 43.92 m (c) 43 m (d) 45.6 m

- 74) The angle of depression of the top and bottom of 20 m tall building from the top of a multistoried building are 30° and 60° respectively. The height of the multistoried building and the distance between two buildings (in metres) is
 (a) $20, 10\sqrt{3}$ (b) $30, 5\sqrt{3}$ (c) 20, 10 (d) $30, 10\sqrt{3}$
- 75) The angle of elevation of a cloud from a point h metres above a lake is β . The angle of depression of its reflection in the lake is 45° . The height of location of the cloud from the lake is
 (a) $\frac{h(1+\tan\beta)}{1-\tan\beta}$ (b) $\frac{h(1-\tan\beta)}{1+\tan\beta}$ (c) $h \tan(45^\circ - \beta)$ (d) none of these
- 76) If $(\sin \alpha + \operatorname{cosec} \alpha)^2 + (\cos \alpha + \sec \alpha)^2 = k + \tan^2 \alpha + \cot^2 \alpha$, then the value of k is equal to
 (a) 9 (b) 7 (c) 5 (d) 3
- 77) If two solid hemispheres of same base radius r units are joined together along their bases, then curved surface area of this new solid is
 (a) $4\pi r^2$ sq.units (b) $6\pi r^2$ sq.units (c) $3\pi r^2$ sq.units (d) $8\pi r^2$ sq.units
- 78) The height of a right circular cone whose radius is 5 cm and slant height is 13 cm will be
 (a) 12 cm (b) 10 cm (c) 13 cm (d) 5 cm
- 79) If the radius of the base of a right circular cylinder is halved keeping the same height, then the ratio of the volume of the cylinder thus obtained to the volume of original cylinder is
 (a) 1:2 (b) 1:4 (c) 1:6 (d) 1:8
- 80) In a hollow cylinder, the sum of the external and internal radii is 14 cm and the width is 4 cm. If its height is 20 cm, the volume of the material in it is
 (a) $5600\pi \text{ cm}^3$ (b) $1120\pi \text{ cm}^3$ (c) $56\pi \text{ cm}^3$ (d) $3600\pi \text{ cm}^3$
- 81) If the radius of the base of a cone is tripled and the height is doubled then the volume is
 (a) made 6 times (b) made 18 times (c) made 12 times (d) unchanged
- 82) The total surface area of a hemi-sphere is how much times the square of its radius.
 (a) π (b) 4π (c) 3π (d) 2π
- 83) A solid sphere of radius x cm is melted and cast into a shape of a solid cone of same radius. The height of the cone is
 (a) 3x cm (b) x cm (c) 4x cm (d) 2x cm
- 84) A frustum of a right circular cone is of height 16 cm with radii of its ends as 8 cm and 20 cm. Then, the volume of the frustum is
 (a) $3328\pi \text{ cm}^3$ (b) $3228\pi \text{ cm}^3$ (c) $3240\pi \text{ cm}^3$ (d) $3340\pi \text{ cm}^3$
- 85) A shuttle cock used for playing badminton has the shape of the combination of
 (a) a cylinder and a sphere (b) a hemisphere and a cone (c) a sphere and a cone (d) frustum of a cone and a hemisphere
- 86) A spherical ball of radius r_1 units is melted to make 8 new identical balls each of radius r_2 units. Then $r_1:r_2$ is
 (a) 2:1 (b) 1:2 (c) 4:1 (d) 1:4
- 87) The volume (in cm^3) of the greatest sphere that can be cut off from a cylindrical log of wood of base radius 1 cm and height 5 cm is
 (a) $\frac{4}{3}\pi$ (b) $\frac{10}{3}\pi$ (c) 5π (d) $\frac{20}{3}\pi$
- 88) The height and radius of the cone of which the frustum is a part are h_1 units and r_1 units respectively. Height of the frustum is h_2 units and radius of the smaller base is r_2 units. If $h_2 : h_1 = 1:2$ then $r_2 : r_1$ is
 (a) 1:3 (b) 1:2 (c) 2:1 (d) 3:1
- 89) The ratio of the volumes of a cylinder, a cone and a sphere, if each has the same diameter and same height is
 (a) 1:2:3 (b) 2:1:3 (c) 1:3:2 (d) 3:1:2
- 90) Which of the following is not a measure of dispersion?
 (a) Range (b) Standard deviation (c) Arithmetic mean (d) Variance

- 91) The range of the data 8, 8, 8, 8, 8, . . . 8 is
(a) 0 (b) 1 (c) 8 (d) 3
- 92) Variance of first 20 natural numbers is
(a) 32.25 (b) 44.25 (c) 33.25 (d) 30
- 93) The standard deviation of a data is 3. If each value is multiplied by 5 then the new variance is
(a) 3 (b) 15 (c) 5 (d) 225
- 94) If the standard deviation of x, y, z is p then the standard deviation of $3x + 5$, $3y + 5$, $3z + 5$ is
(a) $3p + 5$ (b) $3p$ (c) $p + 5$ (d) $9p + 15$
- 95) If the mean and coefficient of variation of a data are 4 and 87.5% then the standard deviation is
(a) 3.5 (b) 3 (c) 4.5 (d) 2.5
- 96) The probability a red marble selected at random from a jar containing p red, q blue and r green marbles is
(a) $\frac{q}{p+q+r}$ (b) $\frac{p}{p+q+r}$ (c) $\frac{p+q}{p+q+r}$ (d) $\frac{p+r}{p+q+r}$
- 97) A page is selected at random from a book. The probability that the digit at units place of the page number chosen is less than 7 is
(a) $\frac{3}{10}$ (b) $\frac{7}{10}$ (c) $\frac{3}{9}$ (d) $\frac{7}{9}$
- 98) Kamalam went to play a lucky draw contest. 135 tickets of the lucky draw were sold. If the probability of Kamalam winning is $\frac{1}{9}$, then the number of tickets bought by Kamalam is
(a) 5 (b) 10 (c) 15 (d) 20
- 99) If a letter is chosen at random from the English alphabets {a, b, ..., z}, then the probability that the letter chosen precedes x
(a) $\frac{12}{13}$ (b) $\frac{1}{13}$ (c) $\frac{23}{26}$ (d) $\frac{3}{26}$
- 100) A purse contains 10 notes of Rs. 2000, 15 notes of Rs. 500, and 25 notes of Rs. 200. One note is drawn at random. What is the probability that the note is either a Rs. 500 note or Rs. 200 note?
(a) $\frac{1}{5}$ (b) $\frac{3}{10}$ (c) $\frac{2}{3}$ (d) $\frac{4}{5}$

ALL THE BEST
