Class:10 ONE MARK EXAMINATION -2022-23								
1.	If the roots of the equation care	MATHS	22-23   Max. Marks: 100					
2.	If the roots of the equation $q^2x^2 + p^2x + r^2 = 0$ and (a) A. P.  (b) G. P.	are the squares of the roots o	of the equation $qx^2 + px + r = 0$ , then q,					
3.	(a) straight is a	(c) Both A. P and G. F						
3.	(a) unit matrix is		(d) hyperbola					
4.	For the given mater [1 3 5 7]	rix (c) column matrix	(d) row matrix					
	(a) $2 \times 3$	the order of the matrix	(A <sup>T</sup> is					
5.	The number of points of intersection of the (a) 0 (b) 1	(c) 3 x 4	(d) 4 x 3					
6.	If A is a 2 x 3 matrix and B is a 3 x 4 matrix  If number of columns and (b) 4	(c) 0 or 1	(d) 2					
7.	If number of columns and rows are not equ  (a) diagonal matrix (b) rectangular n	(c) 2	AB have (d) 5					
8.	(a) diagonal matrix (b) rectangular n Find the matrix X if $2X + \begin{bmatrix} 1 & 3 \\ 5 & 1 \end{bmatrix} = \begin{bmatrix} 5 & 1 \\ 5 & 1 \end{bmatrix}$	al in a matrix then it is said that it is said	to be a (d) identity matrix					
	(a) $\begin{bmatrix} -2 & -2 \\ 2 & -1 \end{bmatrix}$ (b) $\begin{bmatrix} 5 & 7 \\ 2 & 2 \end{bmatrix}$	5	A STORY OF THE STORY OF THE STORY					
9.	Which of the following can be	(c) square matrix $ \begin{bmatrix} 1 & 2 \\ 2 & 2 \end{bmatrix} $	$ (d) \begin{vmatrix} 2 & 1 \\ 2 & 2 \end{vmatrix} $					
	Which of the following can be calculated from $A = \begin{bmatrix} 1 & 2 \\ 3 & 4 \\ 5 & 6 \end{bmatrix}$ , $B = \begin{bmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \\ 7 & 8 & 9 \end{bmatrix}$	om the given matrices						
	(a) (i) and (ii) only (4 5 6 9)	om the given matrices , (i) A <sup>2</sup> (ii) B <sup>2</sup> (iii) (iii) entry	iii) AB (iv) BA					
10.	(a) (i) and (ii) only (b) (ii) and (iii) o	only (c) (ii) and (iv) only	(d) all of these					
	If $A = \begin{bmatrix} 1 & 2 & 3 \\ 3 & 2 & 1 \end{bmatrix}$ $B = \begin{bmatrix} 1 & 0 \\ 2 & -1 \\ 0 & 2 \end{bmatrix}$ and $C$	$C = \begin{bmatrix} 0 & 1 \\ -2 & 5 \end{bmatrix}$ which of the fo	(d) all of these ollowing statements are correct?					
¥. 3443	(i) AB + C = $\begin{bmatrix} 5 & 5 \\ 5 & 5 \end{bmatrix}$ (ii) BC = $\begin{bmatrix} 0 \\ 2 \\ -4 \end{bmatrix}$ (a) (i) and (ii) only (b) (iii) and (iii) of	$\begin{bmatrix} 1 \\ -3 \end{bmatrix}$ (iii) BA + C = $\begin{bmatrix} 2 \\ 3 \\ 0 \end{bmatrix}$	(iv) (AB) $C = \begin{bmatrix} -8 & 20 \\ -8 & 13 \end{bmatrix}$					
11.	(a) (i) and (ii) only (b) (ii) and (iii) only	10] (c) (iii) and (iv) only	(d) all of these					
	(a) (i) and (ii) only (b) (ii) and (iii) of $\alpha$ , $\beta$ are the roots of $ax^2 + bx + c = 0$ , as	≠ 0, then the wrong statement	ent is					
12.	(a) $\alpha^2 + \beta^2 = \frac{b^2 - 2ac}{a^2}$ (b) $\alpha\beta = \frac{c}{a}$	(c) $\alpha+\beta=\frac{b}{a}$	$(d)\frac{1}{\alpha} + \frac{1}{\beta} = -\frac{b}{c}$					
12.	1	), then one of the quadratic	equations whose roots are $\frac{1}{\alpha}$ and					
13.	$\frac{1}{\beta}$ is, (a) $ax^2 + bx + c = 0$ (b) $bx^2 + ax$ Let $b = a + c$ , then the equation $ax^2 + bx + c$	$+ c = 0$ (c) $cx^2 + bx + a = 0$	(d) $cx^2 + ax + b = 0$					
14.	(a) $a = c$ Matrix $A = [a_{ij}]_{mxn}$ is a square matrix if	(c) a = 2c	(d) a = -2c n (c) m = 1 (d) m = n					
15.			m = 1 (d) m = n					
	(-3)		to the series and a series admit					
1	(a) (0 0 0) (b) 0	(c) (-14)	(d) not defined					
16.	If a matrix is of order 2x3, then the number	er of elements in the matrix	is (a) 5 (b) 6 (c) 2 (d) 3					
	If A is of order 3x4 and B is of order 4x3, the same of order 4x3, the same of order 4x4.	(c) 4v3	(d) ==4.4-5					
18.	If A is of order mxn and B is of order pxq, (a) m = p (b) n = q	addition of A and B is possi (c) n = p	ble only if $(d) m = p, n = q$					
19.	If $A = \begin{pmatrix} 7 & 2 \\ 1 & 3 \end{pmatrix}$ and $A + B = \begin{pmatrix} -1 & 0 \\ 2 & -4 \end{pmatrix}$ the second	hen the matrix B =	(-) P <sub>1</sub> <b>q</b>					
	(a) $\begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix}$ (b) $\begin{pmatrix} 6 & 2 \\ 3 & -1 \end{pmatrix}$	$\binom{-8}{1} - \binom{-2}{7}$	$(d)$ $\begin{pmatrix} 8 & 2 \\ 1 & 7 \end{pmatrix}$					
20.	If $(5 \times 1) \begin{pmatrix} -1 \\ 3 \end{pmatrix} = (20)$ , then the value of 3	x is						
	(a) 7 (b) -7	(c) $\frac{1}{7}$	(d) D					

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21.	www.Padasalai.Net - No.1 Educational Website in Tamilnadu  (a) BD.CD = BC <sup>2</sup> (b) AB.AC = BC <sup>2</sup> (c) BD.CD = AD <sup>2</sup> (d) AB.AC = BC <sup>2</sup> (d) AB.AC = BC <sup>2</sup>						
	(c) BD.CD = AD2 (b) AB.AC = BC2  (d) AB.AC = BC2						
22.	Two poles of heights $c_{1}$ (d) $ABAC = BC^{2}$						
	(c) BD.CD = AD <sup>2</sup> (d) AB.AC = BC <sup>2</sup> Two poles of heights 6m and 11 m stand vertically on a plane ground. If the distance between their tops?  In the given figure PR = 26 cm, QR = 24 cm, ∠PAQ = 90°, PA = 6 cm and QA = 8cm. Find ∠PQR  How many tangents can be the radius at the company tangents can be the company tangents ca						
23.	In the given figure PR = 26 cm their tops?						
	(a) $80^{\circ}$ (b) $13 \text{ m}$ (b) $14 \text{ m}$ (c) $15 \text{ m}$ (d) $40 \text{ c}$						
	(c) $75^{\circ}$ (d) $85^{\circ}$ (d) $90^{\circ}$ , $PA = 6$ cm and $QA = 8$ cm Find $\angle POP$						
24.	A tangent is perpendicular to the real						
25.	(a) centro (b)						
26.	The two tangents from (b) two (c) the circle from an exterior point of contact (c) infinity (d) chord						
20.							
27.	(a) one  (b) two the circle from an exterior point?  The two tangents from an external points P to a circle with centre at O are PA and PB. If ∠APB = 70° then the If CP = 11 cm and BC = 7 cm, then the length.  (b) two time circle from an exterior point?  (c) infinity  (d) chord  (d) zero  (b) 110°  (c) 120°  (d) 130°						
	If CP = 11 cm and BC = 7 cm, the direction of the little with central control of the l						
	(a) 6 cm (b) 5 cm length of BR is another tangent touching the circle at R						
00	In figure CP and CQ are tangents to a circle with centre at O are PA and PB. If ∠APB = 70° then the lf CP = 11 cm and BC = 7 cm, then the length of BR is  (a) 6 cm (b) 110° (c) 120° (d) 130° (d) 130° (e) 5 cm (f) 5 cm (d) 4 cm						
28.	(c) 8 cm In figure PQ is tanget to the circle at P and O is the centre of the circle, then ∠POQ is  (d) 4 cm (a) 120° (b) 100° (c) 110° (d) 90°						
	(c) 110° (b) 100° (c) the centre of the circle, then ∠POO is						
29.	AB and CD are two chords of a circle which when produced to meet at a point P such that AB = 5cm, AP = and AP > PB, then AP = (a) 12 cm (b) 5 cm (c) 6 cm (d) 4 cm						
	8 cm, and CD = 2 cm then PD = (a) 12 cm (b) 5 cm (c) 6 cm (d) 4 cm and AP > PB, then AP = (a) 8 cm, and CD intersect at P, If AB = 16 cm, AP = 16 cm,						
30.	In the adjoining figure, chords AB and CD intersect at P. If AB = 16 cm, PD = 8cm, PC = 6  (b) 4 cm  (c) 12 cm  (d) 4 cm						
	allori I D, liloli Al - (a) 8cm						
31.	(c) 12 cm A point P is 26 cm away from the cont						
31.	A point P is 26 cm away from the centre O of a circle and PT is the tangent drawn from P to the circle is 10 cm,  (d) 6 cm then OT is equal to (a) 36 cm (b) 20 cm (c) 18 cm (d) 24 cm (d) 24 cm (e) 18 cm (d) 24 cm						
32.	In the figure, if $\angle PAB = 120^{\circ}$ then $\angle BPT =$ (b) 20 cm  (c) 18 cm  (d) 24 cm						
	(a) 120° (b) 30° (c) 18 cm (d) 24 cm						
	(c) 100						
33.	If the tangents PA and PB from an external point P to circle with any of ACO the Control						
34.	If the tangents PA and PB from an external point P to circle with centre O are inclined to each other at an angle In the figure, PA and PB are tangents to the circle.						
JT.	In the figure, PA and PB are tangents to the circle drawn from an external point P. Also CD is a tangent to the (a) 11 cm (b) 5 cm						
	(a) 11 cm (b) 5 cm, then PC is equal to						
	(c) 24 cm (d) 20 cm						
35.	$\triangle$ ABC is a right angled triangle where $\angle$ B = 90° and BD   AC   15 BB						
36.	(a) 24 cm (b) 16 cm (c) 32 cm (d) 8 cm						
30.	magnitude of the relight of a tower and the length of its shadow is $\sqrt{3}$ : 1, then the angle of clove in a full						
37.	the electric pole subtends an angle of 200 stars it is						
	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 tower is 60°. The height of the tower (in metres) is equal to						
20	(a) 13 b (b) 3						
38.	tower is 60 in neight. Its snadow is x metres shorter when the sun's altutide is 450 than when the						
39.	30°, then x is equal to (a) 41.92 m (b) 43.92 m (c) 43 m (d) 45.6 m						
	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						
	discontinuity of the cloud from the lake is						
	$1 - \tan \beta$ (b) $\frac{1 + \tan \beta}{1 + \tan \beta}$ (c) $h \tan (45^{\circ} - \beta)$ (d) none of these						
40.	The angle of depression of the top and bottom of 20 m tall building from the top.						
	metres is metres in the mainstoned building and the distance between two buildings (in						
	Two persons are standing 'x' metres apart from each other and the great of the first person is double that of the other. If from the middle point of the line is in the first person is double						
	that of the other. If from the middle point of the line joining their feet an observer finds the angular elevations of their tops to be complementary, then the height of the shorter person (in metres) is						
12.							
	In the adjoining figure, AC = (a) 25 m (b) 25 √3 m						
	(a) 25 m (b) 25 $\sqrt{3}$ m						
200	(c) $\frac{25}{\sqrt{3}}$ m (d) $25\sqrt{2}$ m $\frac{1}{8}$						
43.	in the adjoining figure ZABC =						
	(a) 45° (b) 30° §						
	(c) 60° (d) 50° Ehm						

44.	AMan is 28.5 m away from a tower. His eye level above the ground is 1.5 m. The angle of elevation of the tower from his eyes is 45°. Then the height of the tower is (a) 30m (b) 27.5 m. (c) 28.5 m. (d) 27 m.
	In the adjoining figure, $\sin \theta = \frac{15}{17}$ . Then BC =
45.	(a) 85 m (b) 65 m
	(4) 43 111
46.	The curved surface area of a right circular cone of height 45
	(d) 136 π cm² (d) 136 π cm²
47.	
48.	(b) 10 cm and slant height is 13 cm will be
49.	of the cylinder thus obtained to the volume of original cylinder is
	of the cylinder thus obtained to the volume of original cylinder is  (a) 1:2  (b) 1:4  (c) 1:6  (d) 1:8  The total surface area of a cylinder whose radius is $\frac{1}{3}$ of its height is
50.	The total surface area of a cylinder whose radius is $\frac{1}{3}$ of its height is
	(a) $\frac{9\pi h^2}{8}$ sq.units (b) $24 \pi h^2$ sq.units (c) $\frac{8\pi h^2}{9}$ sq.units (d) $\frac{56 \pi h^2}{9}$ sq.units
	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
51.	onem. the volume of the material in it is
	(a) $5600 \pi \text{cm}^3$ (b) $11200 \pi \text{cm}^3$ (c) $56 \pi \text{cm}^3$ (d) $3600 \pi \text{cm}^3$ If the radius of the base of a cone is tripled and the height is doubled then the volume is
52.	made 6 times (b) made 18 times (c) made 12 times (d) unchanged
53.	The total surface area of a hemi - sphere is how much times the square of its radius,
	(a) $\pi$ (b) $4\pi$ (c) $3\pi$ (d) $2\pi$ 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 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 A solid sphere of radius x cm is melted and cast into a shape of a solid cone of same radius.
54.	
55.	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) $3328\pi$ cm <sup>3</sup> (b) $3228\pi$ cm <sup>3</sup> (c) $3240\pi$ cm <sup>3</sup> (d) $3340\pi$ cm <sup>3</sup> (e) $3240\pi$ cm <sup>3</sup> (f) $3340\pi$ cm <sup>3</sup> (g) $3340\pi$ cm <sup>3</sup> (h) $328\pi$ cm <sup>3</sup> (g) $3240\pi$ cm <sup>3</sup> (h) $3340\pi$ cm <sup>3</sup> (g) $3340\pi$ cm <sup>3</sup> (h) $328\pi$ cm <sup>3</sup> (g) $3240\pi$ cm <sup>3</sup> (g) $3340\pi$ cm <sup>3</sup> (g) $3340\pi$ cm <sup>3</sup> (h) $328\pi$ cm <sup>3</sup> (g) $3240\pi$ cm <sup>3</sup> (h) $3340\pi$ cm <sup>3</sup> (g) $3340\pi$ cm <sup>3</sup> (h) $3340\pi$ cm <sup>3</sup> (g) $3340\pi$ cm <sup>3</sup> (h) $3340\pi$ cm <sup>3</sup> (g) $3340\pi$ cm <sup>3</sup> (g) $3340\pi$ cm <sup>3</sup> (g) $3340\pi$ cm <sup>3</sup> (g) $3340\pi$ cm <sup>3</sup>
FG	A chuttle cock used for blavilly payminton has the snape of the combination of tall a cylinder and
56.	hemisphere and a cone (c) a sphere and a cone (d) trustum of a cone and nemisphere
57.	A Spherical ball of radius $r_1$ units is melted to make 8 new identical balls each of radius $r_2$ units. Then $r_4 : r_2$ is  (a) 2:1 (b) 1:2 (c) 4:1 (d) 1:4 (d) 1:4
58.	chime (in cm <sup>3</sup> ) 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) $5\pi$ (d) $\frac{20}{3}\pi$
59.	The height and radius of the cone of which the frustum is a part are h, units and r, units respectively. Height of
	the frustum is h <sub>2</sub> units and radius of the smaller pase is r <sub>2</sub> units. If n <sub>2</sub> : n <sub>1</sub> = 1.2 thering 11/15
60.	The ratio of the volumes of a cylinder, a cone and a sphere, if each has the same diameter and same neight is
	(a) 4.2.2 (b) 2.1.3 (c) 1.3.2 (0) 3.1.4
61.	The curved surface area of a right circular cylinder of radius 1 cm and height 1 cm is equal to  (a) $\pi$ cm <sup>2</sup> (b) $2\pi$ cm <sup>2</sup> (c) $3\pi$ cm <sup>3</sup> (d) 2 cm <sup>2</sup> (e) $3\pi$ cm <sup>3</sup> (f) $3\pi$ cm <sup>3</sup> (f) $3\pi$ cm <sup>3</sup> (g) $3\pi$ cm <sup>3</sup> (h) $3\pi$ cm <sup>3</sup> (h
62.	Base area of a right circular cylinder is 80 cm <sup>2</sup> . If its height is 5 cm, then the volume is equal to
	(a) $400 \text{ cm}^3$ (b) $16 \text{ cm}^3$ (c) $200 \text{ cm}^3$ (d) $\frac{400}{3} \text{ cm}^3$
63.	If the total surface area a solid right circular cylinder is 200 $\pi$ cm <sup>2</sup> , and its radius is 5cm, then the sum of its sum
	of its height and radius is (a) 20 cm (b) 25 cm (c) 30 cm (d) 15 cm The curved surface area of a right circular cylinder whose radius is a units and height is b units, is equal to
	(a) $\pi a^2 h \text{ sq. cm}$ (b) $2\pi a h \text{ sq. cm}$ (c) $2\pi \text{ sq. cm}$ (d) $2 \text{ sq. cm}$
65.	If the diameter and height of a right circular cone are 12 cm and 8 cm respectively, then the slant height is
66.	(a) 10 cm (b) 20 cm (c) 30 cm (d) 96 cm The total surface area of a solid hemisphere of diameter 2 cm is equal to
	(a) $12 \text{ cm}^2$ (b) $12 \pi \text{ cm}^2$ (c) $4 \pi \text{ cm}^2$ (d) $3 \pi \text{ cm}^2$
67.	If the volume of a sphere is $\frac{9}{16}$ $\pi$ cu.cm, then its radius is
60 1	(a) $\frac{4}{3}$ cm (b) $\frac{3}{4}$ cm (c) $\frac{3}{2}$ cm (d) $\frac{2}{3}$ cm
68.	The surface areas of two spheres are in the ratio of 9:25. Then their volumes are in the ratio (a) 81:625 (b) 729:15625 (c) 27:75 (d) 27:125
69.	The total surface area of a solid hemisphere whose radius is a units, is equal to
70	(a) $2 \pi a^2$ sq.units (b) $3 \pi a^2$ sq.units (c) $3 \pi a$ sq.units (d) $3 a^2$ sq.units If the radius of a sphere is half of the radius of another sphere, then their respective volumes are in the ratio
	(a) 1:8 (b) 2:1 (c) 1:2 (d) 8:1
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71.	Which of the following is not a measure of disport the range of the data 8 8 8 9 Standard deviations			
72.	(a) Range (b) Standard deviation The range of the data 8,8,8,8,8 The sum of all deviations of the data from its measure of disposition.	ersion?		
73.	The sum of all deviations of the data & is	(a) (b) 1	(d) Variance	
74.	(a) Always positive (b) always negative (a) 40000 (b) 160900 (b) 160900 (c) The standard deviation of a data is	ean is	(d) 505	
75.	Variance of first 20 patricula (b) 160900	tandard deviation is 3. Ti	he sum of squares	of all deviations is
76.	The standard deviation of a data is a	(c) 160000 (a) 32.25 (b) 44.25	(d) 30000 (c) 33.25 (d)	00
77.	(a) 3 (b) 15 (b) 15	alue is multiplied by 5 the	n the new vairance	is
	Variance of first 20 natural numbers is The standard deviation of a data is 3. If each value (a) 3 (b) 15 If the standard deviation of x, y, z is p then the If the mean and coefficient of variation of a data is 3.	(c) 5 standard deviation of 3x	(d) $225$	ie
78.	(a) 3,5 (b) (a)	(c) p + 5	(d) 9 p + 15	
79.	(a) $3 p + 5$ (b) $3 p$ If the mean and coefficient of variation of a data  (a) $3.5$ (b) $3$ The probability a red marble selected at random  (a) $\frac{q}{p+q+r}$ (b) $\frac{p}{p+q+r}$	(c) 4.5	(d) 2.5	on is
	(a) $\frac{p}{p+q+r}$ (b) $\frac{p}{p+q+r}$	n from a jar containing p	red, q blue and r gi	reen marbles is
80. 81.	A page is selected at incorrect? (a) P(A) >	p+q+r	p + q + r	
	(a) $\frac{q}{P+q+r}$ (b) $\frac{p}{p+q+r}$ Which of the following is incorrect? (a) $P(A) > A$ page is selected at random from a book. The chosen is less than 7 is (a) $\frac{3}{10}$	ne Probability that the di	git at units place of	(A) + P(A) = 1 the page number
00	chosen is less than 7 is (a) $\frac{3}{10}$ The probability of getting a job for a person is	(b) $\frac{7}{10}$	(c) $\frac{3}{9}$	$(d) \frac{7}{9}$
82.	The probability of getting a job for a person is of x is  (a) 2	x 3 If the probablity of no	ot aetting the job is	2 then the value
83.	Ramaian went to play a lucky draw contest	125	(C) 3	(d) 1.5
	Kamalam winning is $\frac{1}{9}$ , then the number of t	ickets of the lucky	draw were sold. It	f the probability of
	(a) 5 (b) 10  If a letter is chosen at random from the English precedes x (a) $\frac{12}{13}$	(c) 15	am is	
84.	if a letter is chosen at random from the English	alphabets {a,b,z} the	n the probability that	at the letter chosen
85.	precedes x (a) $\frac{12}{13}$ A purse contains 10 notes of ₹.2000,15 notes of	(b) $\frac{1}{13}$	(c) $\frac{23}{36}$	$(d)\frac{3}{36}$
03.	What is the probability that the note is either a	From, and 25 notes of	1 < .200. One note is	drawn at random.
	(a) $\frac{1}{5}$ (b) $\frac{3}{10}$	(2) 2	4	
86.	The range of the first 10 Prime number 2,3,5,7, For a collection of 11 items, $\Sigma x = 132$ , then the	,11,13,17,19,23,29 is (a)	(d) 5 28 (b) 26 (c) 2	0 (4) 27
87. 88.	For a collection of 11 items, $\Sigma x = 132$ , then the For any collection of n items, $\Sigma x = x$	e arithmetic mean is (a	) 11 (b) 12 (c) 14	4 (d) 13
89. 90.	For any collection of n items, $\sum x$ (x - $\overline{x}$ ) = For any collection of n items, $(\sum x) - \overline{x}$ = If t is the standard deviation of x v z then the standard	(a) $\overline{nx}$ (b) $(n-2)\overline{x}$ (	(c) $(n-1)\bar{x}$ (d) 0	
30.				
91.	(a) $\frac{t}{3}$ (b) $t + 5$ Variance of the first 11 natural numbers is Standard deviation of a collection of data is $2\sqrt{2}$	(c) t	(d) xyz	
92.	Standard deviation of a collection of data is $2\sqrt{2}$ , new data is	If each value of multiplied	(c) $5 \sqrt{2}$ (d) by 3, then the stand	) 10 dard deviation of the
02	new data is (a) $\sqrt{12}$	(b) 4 √2	(c) 6 √2	(d) 9 √2
93. 94.	new data is (a) $\sqrt{12}$ If $\phi$ is an imposible event, the $p(\phi) = (a) \cdot 1$	(b) $\frac{1}{4}$ (c) 0	$(d)\frac{1}{2}$	
	(a) 0 < p < 1 (b) 0 < p < 1	(c) 0 < p < 1	(d) 0 = n = 1	
95.	There are 6 defective items in a sample of 20 i	items. One item is drawi	n at random. The p	robability that it is a
	non - defective item is (a) $\frac{7}{10}$	(b) 0	(c) $\frac{3}{10}$	(d) $\frac{2}{3}$
96.	Two dice are thrown simultaneously, the proba	1	tis	
07	(a) $\frac{1}{36}$ (b) $\frac{1}{3}$	(c) $\frac{1}{6}$	(d) 3	
97.	Probability of getting 3 heads or tails in tossing	2	1	
98.	(a) $\frac{1}{8}$ (b) $\frac{1}{4}$	(c) $\frac{3}{8}$	(d) $\frac{1}{2}$	
30.	The probability that a leap year will have 53 Fr (a) $\frac{2}{7}$ (b) $\frac{1}{7}$	1	3	
99.	(a) $\frac{2}{7}$ (b) $\frac{1}{7}$ The probability of selecting a queen of hearts where	(c) $\frac{4}{7}$	$ (d) \frac{3}{7} $	ving card is
	(a) $\frac{1}{52}$ (b) $\frac{16}{62}$		PARTICIPATION OF THE PROPERTY OF THE PARTY O	ying card is
100	Probability of sure event is	(c) 13	(d) $\frac{1}{26}$	
	(a) 1 (b) 0	(c) 100	(d) 0.1	