Mathematics 9th Class English Medium Online Test

Sr	Questions	Answers Choice
1	The base of the sumerian numerical system.	A. 10 B. 12 C. 60 D. 100
2	Question Image	A. Injective B. Surjective C. Into D. Periodic
3	The square root of x^2 -6x +9 is	
4	The grap of y = x3, cuts the x -axis at	A. x = 2 B. x = 0 C. x = 1 D. x = -1
5	Question Image	A. Commutative proerprty of Union B. Commutative property of intersection C. Associative property of union D. Associative proeprty of intersection
6	If in center, circumcenter,orthocenter and centroid of a triangle coincide then triangle is.	A. Isosceles B. Equilateral C. Right angled D. Acute angled
7	Question Image	A. U B. A C. A^c D. <span style="font-size:14.0pt;mso-bidi-font-size:11.0pt; line-height:107%;font-family:"Calibri",sans-serif;mso-ascii-theme-font:minor-latin; mso-fareast-font-family:"Times New Roman";mso-fareast-theme-font:minor-fareast; mso-hansi-theme-font:minor-latin;mso-bidi-theme-font:minor-latin;mso-ansi-language: EN-US;mso-fareast-language:EN-US;mso-bidi-language:AR-SA">Φ
8	The gradient of two parallel line is	A. Equal B. Zero C. Negative receiprocals of eath other D. Always underfined
9	The standard form of 5.2 x $10^6$is	A. 52,000 B. 520,000 C. 5,200,000 D. 52,000,000
10	The statemetn "Every integer greater than 2 is a sum of two prime numbers" is	A. Theorem B. Conjecture C. Axiom D. Postulates
11	If x-coordinates of two points ar esame then line passing through them is perpendicular to	A. x-axis B. y -axis C. Origin D. anly line
12	Question Image	A. Reflexive B. Symmetric C. Transitive D. Additive
13	The sum of the probability of an event and its complement must be	A. 0.5 B. 1 C. 0 D. 2

14	H.C.F. of a2-b2 and a3 -b3 is	A. a-b B. a+b C. a2 +ab+b2 D. a2-ab+b2
15	The base of commonlogrithm is	A. 2 B. 10 C. 5 D. e
16	For what value of k, a line passing through the points (-3,-7) and (4,k) has gradient 3/7?	A. 4 B. -4 C. -3 D. -7
17	If f(x) = 2 x -1 then f (1) =	A. 0 B. 1 C. 2 D. 3
18	Which of them is the set of all elements of U, which belong to A but do not belong to B is called.	A. Overlapping sets B. Difference of sets C. Disjoint sets D. Complement of a set
19	Question Image	B. 1
20	Question Image	A. Whole number B. Irrational Number C. Integer D. Rational Number
21	The complement of U is.	A. Sub B. <span style="font-size:14.0pt;mso-bidi-font-size:11.0pt; line-height:107%;font-family:"Calibri",sans-serif;mso-ascii-theme-font:minor-latin; mso-fareast-font-family:"Times New Roman";mso-fareast-theme-font:minor-fareast; mso-hansi-theme-font:minor-latin;mso-bidi-theme-font:minor-latin;mso-ansi-language: EN-US;mso-fareast-language:EN-US;mso-bidi-language:AR-SA">Φ C. Impossible D. Union
22	Factorization of $x^3 +3x^2+3x$ 1 is	A. (x +1)3 B. (X-1)3 C. (x+1)(x2+x+1) D. (x-1)(x2-x+1)
23	The midpont of a line segment with endoints(-2,4) and (6, -2) is.	A. (4,2) B. (2.1) C. (1,1) D. (0,0)
24	The base of natural logrithm is.	A. 0 B. 1 C. 10 D. e
25	Numebr of elements in power set of {1,2,3}	A. 4 B. 6 C. 8 D. 9
26	The slope of the line is.	A. x = x2-x1 /y2 - y1 B. m = y2 - y1 / x2 - x1 C. m = x1-x2 /y1 -y2 D. m= y1+y2/x+x2
27	Question Image	A. 2 B. 1/2
28	While rolling a pair of dice, what will be the probability of double 2?	A. 1/6 B. 1/3 C. 5/6 D. 1/36
29	If log 2=0.3010, then log 200 is	A. 1.3010 B. 0.6010 C. 2.3010 D. 2.000
		A. 2/3

30	The slope line x/3 + y/2 =1 is	B. - 2/3 C. -3/2 D. 3/2
31	The disjuction of two stateemnts p and q is denoted by	A. p ^ q B. p v q C. p ^ - q D. p v -q
32	The equation of line in normal form is	A. y = mx+c B. y/a= y/b =1 C. x-x1/cosa = y -y1/sin a D. y -y1 = m (x -x1)
33	If log 25 = x , then	A. x=1 B. x=2 C. x=3 D. x=4
34	The repeating pattern of regular shapes is called.	A. Tessellation B. Oscillation C. Rotation D. Citation
35	A card is chosen from a pack of 52 playing cards find the probability of getting no jack and king.	A. 2/3 B. 11/13 C. 2/52 D. 11/52
36	If the volume of two similar solids is 125 cm3 nd 27 cm 3, the ratio of their correspoding heights is.	A. 3:5 B. 5:3 C. 25:9 D. 9:25
37	Log x will be equal to.	A. B. C. D.
38	log 2 2^3	A. 1 B. 2 C. 5 D. 3
39	The conjunctionof negations of two statements p and q is denoted by	A. p ^ q B. p ^- q C. p v - q D. p v q
40	Frequency polygon is also drawn constructed by using.	A. Histogram B. Bar graph C. Class boundaries D. Class limit
41	L.C.M.of a2-b2 and a4 -b4 is	A. a2+b2 B. a2-b2 C. a4 -b4 D. a-b
42	The graph of y = -x2 + 5 opens	A. Upward B. downward C. Left side D. Right side
43	A U B = B U A is known as	A. Commutative property of union B. Commutative property of intersection C. Associative property of Union D. Associative property of Intersection
44	Question Image	
45	The hexadecimal system has a base of.	A. 2 B. 10 C. 16 D. 60
46	The Egyptian numeral system was used between	A. 4500-1900 BCE B. 2000-1500 BCE C. 3000-2000 BCE D. 1000-500 BCE
47	A conditional is regarded as false only when	A. Antecedent is true and consequent is false B. Consequent is true and antechedent is false C. Antecedent is true only D. Consequent is false only

48	Question Image	A. Reciprocal property B. Additive property C. Multiplicative property D. Division property
49	In coordinates (x,y), y is known as	A. Abscissa B. Ordinate C. First element D. Second element
50	A surd which contains a single term is called surd	A. Monomial B. Bionomial C. Trinomial D. None
51	The LCM of $(a-b)^2$ and $(a-b)^4$	A. (a-b)2 B. (a-b)3 C. (a-b)4 D. (a-b)6
52	Which of the followign is scale factor of area.	A. K B. K² C. 2K D. K³
53	Question Image	A. log 0 B. log 2 D. 1og 15
54	if U={1,2,3.....10} and A = {3,4,5,} then a ' is	A. {1,2,3,4} B. {3,4,5,6} C. {4.5.6.7.8} D. {1.2.6.7.8.9.10}
55	Name the property of real numbers used 1/2 x1 = 1/2	A. Additive Identity B. Additive Inverse C. Multiplicative identity D. Multiplicative inverse
56	If y-coordinates of two points are same then line passing through them is perpendicular to.	A. x-axis B. y-axis C. origin D. any line
57	To find the location eqidistant from two towns, which locus do we have to draw.	A. Circle B. Right bisector C. Angle bisector D. Parallel lines
58	The ine of which quation bisect the 2nd and 4th quadrant.	A. x - y =0 B. x+y= 0 C. y= -4 x D. y =-6 x
59	Which one of the followign statements is true?	A. The set of integers in finite B. The um of the interior angles of any quadrilated is alwyas 180 Degree C. 22/7 =Q' D. All isoscles triangles are quiateral triangles.
60	Which of the following is a valid identity.	
61	Question Image	
62	The line segment joining the midpoint of a side to its opposite vertex in a triangle is called.	A. Median B. Perpendicular bisector C. Angle bisector D. Circle
63	The difference between the greatest value and the smallest value is called.	A. Class limits B. Midpoint C. Relative frequency D. Range
64	Reciprocal funtion is.	A. x = 7 ^x B. y = 2/x C. y = 2x² D. y= 5x³
65	If Hadi rolled a fair dice then the probability of getting a prime number is	A. 0.5 B. 1 C. 0 D. 0.6
66	Measure of central tendency is used to find out the .....of a data set	A. Class boundaries B. Comulative frequency C. Middle or centre value

		C. Middle or centre value D. Frequency
67	If x -coordinates of two points are same then line passing through them is parallel to	A. x-axis B. y -axis C. origin D. arry line
68	Rational nuebr + irratinal numebr =	A. Irrational number B. Rational Number C. Real Number D. Both a and b
69	The base of commonlogrithm is	A. 2 B. 10 C. 5 D. e
70	If two Spheres have volumes in th ratio 8:27 then their corresponding lengths are in the ratio.	A. 2:3 B. 4:9 C. 8:18 D. 8:27
71	The solution of inequality x > 1 is	
72	Find the mode of the given data 2,5,8, 9,0,1,3,7 and 10	A. 5 B. 7 C. 0 D. No mode
73	a traingle having all sides equal is called.	A. Isosceles B. Scalene C. Equilateral D. Right
74	The sum of all expected frequencies is equal to the fixed number of	A. Trials B. Relative frequencies C. Outcomes D. Events
75	The graph of inequality y < 0 iz h\lc plane	A. lower B. Upper C. Right D. Left
76	Question Image	A. Prime Number B. Odd Number C. Irrational Number D. Rational Number
77	The Sumerians numeral system was used between	A. 4500-1900 BCE B. 2000-1500 BCE C. 3000-2000 BCE D. 1000-500 BCE
78	Question Image	A. 7/25 B. 24/25 C. 16/25 D. 4/25
79	Question Image	
80	A collectionof well -defined distinct objects is called	A. subset B. Power set C. Set D. Venn diagrm
81	25^{o}=.....	A. 360' B. 630' C. 1500' D. 9000'
82	If a lineof slope =-3 passes through origin and P (3,k) the value of k is.	A. 3 B. -3 C. 9 D. -9
83	The negation of statement p is denoted by	A. ^ p B. v p C. - p D. p
84	If n (S) =18 and n(B') =4 then p (E') is	A. 4/18 B. 2/9 C. 7/9 D. 18/4
85	In a data the values which appears or occurs most often is called	A. Mean B. Mode

	In a data the values which appears or occurs most often is called.	C. Median D. Weighted mean
86	Question Image	
87	Question Image	A. 90 ^o B. 45 ^o C. 60 ^o D. 30 ^o
88	The number of elements in a power set {a,b,c,d} is	A. 4 B. 6 C. 8 D. 16
89	Which of the following is not on the x-	A. (00) B. (a,0) C. (b,0) D. (g,0)
90	Which of the following can be constructed by compass.	A. 105 ^o B. 125 ^o C. 130 ^o D. 55 ^o
91	If the interesection of two sets is non-empty but neither is a subset of the other, the sets are called .....sets.	A. Complement B. Overlapping C. Difference D. Disjoint
92	A data in the form of frequency distribution is also called	A. Grouped data B. Ungrouped data C. Raw data D. Dispersed data
93	Which of the followign is one of the modern numebr systems.	A. Roman Numerals B. Egyptians numeals C. Sexagesimal system D. Hexadecimal system
94	H.C.F. of x3 y -xy and x5y2-x2y5 is	A. xy (x2-y2) B. xy(x-y) C. x2y2(x-y) D. xy(x3-y3)
95	The prbabilty of a certain Event is	A. 0 B. 1 C. 2 D. Not possible
96	Question Image	A. 6.5 units B. 7.5 Units C. 6 Units D. 5 Units
97	A line passing through points(1,2) and (4,5) has which equation in the slope intercept form?	A. y=x +1 B. y = 2x +3 C. y =3x -2 D. y = x+2
98	If a= b x 10 ^{n} is written in scientific notation then	
99	Question Image	A. 1 B. 2 C. 3 D. 4
100	the sequence 0,1,1,2,3,5,8,13,21..... is known as	A. Fibonacci B. Prime C. Even D. Odd
101	The range of R= {(1,3),(2,2),(3,1),(4,4)} is	A. {2,3,4} B. {1.2.3} C. {1,2,3,4} D. {1.3.4}
102	A set containing no element is called	A. Empty set B. Subset C. Singleton set D. Super set
103	A tringle having two sides congruent is called.	A. Scalene B. Right angled C. Equilateral D. Isosceles
	Which of the following statements is the best to represent the negation of the statement"The	A. The stove is not burning B. The stove is dim

104	Which of the following statements is the best to represent the negation of the statement "The stove is burning"?	B. The stove is dim C. The stove is turned to low heat D. It is both burning and not burning
105	Factors of x4 - y4	A. (x-y)(x+y)(x2+y2) B. (x-y)(x2+y2) C. (x-y)(x+y)(x2-y2) D. (x+y)(x2+y2)
106	A cumulative freqency means of frequencies	A. Sum B. Difference C. Product D. Quotient
107	Question Image	A. Rational number B. Whole number C. Irrational Number D. Natural
108	Locus is a.....word.	A. English B. German C. French D. Latin
109	Question Image	A. Closed right B. Closed left C. Open right D. Open left
110	Which of the followig is the set of first hundred whole number	A. {1,2,3.....100} B. {1,2,3.....,99) C. {0,1,2,3.....100} D. {0,1,2,3.....,99)
111	The conjunction p ^ q is true when p and q are	A. T,T B. T, F C. F, T D. F , F
112	Corner point is also called	A. Code B. Vertex C. Curve D. Region
113	Question Image	A. 0 B. -3 C. 3 D. +3
114	If log 2 = 0.3010, then log 200 is	A. 1.3010 B. 0.6010 C. 2.3010 D. 2.6010
115	In Scientific notation ,if the numebr is less than 1 , the exponent is.	A. Negative B. Positive C. Zero D. None of these
116	The solution region of inequality x < 1 is half plane	A. Closed right B. Closed left C. Open right D. Open left
117	Question Image	
118	The probability of an impossible event is	A. 0 B. 1 C. 2 D. -1
119	The factors of $4x^2$ -12 y +9 are	A. (2x +3)2 B. (2x -3)2 C. (2+3x)(2-3x)2 D. (2x-3)(2x+3)
120	----------Introduced logarithm table.	A. John Napier B. Henry Briggs C. Euler D. Khwarizmi
121	The graph of y = x2 -9 opens	A. Upward B. downward C. left side D. right side
122	Question Image	C. 0.4636 D. 0.4567

123	If the mean of 5,7,8,9 and x is 7.5, what will be the value of x ?	A. 10 B. 8 C. 8.5 D. 5.8
124	Median from the data 1,4,0,7and 9 is	A. 0 B. 4 C. 5 D. 7
125	How would the number 25 ,25 to written in Egyptian numerials.	A. 1000,1000,500,20,5 B. 500.2000.20.5 C. 2000.500.20.5 D. 500,1000,1000,5
126	3x +4< 0 is	A. Equation B. Inequality C. Identity D. Not inequality
127	Circumcentre is the point of concurrency of three.....of traingle.	A. Right bisectors B. Angle bisectors C. Altitudes D. Medians
128	Question Image	A. 4/5 B. 5/4 C. 7/4 D. -4/5
129	The set of all possible outcomes is called	A. Event B. Experiment C. Sample space D. Prboability
130	The formula for the Fibonacci sequence is	
131	Question Image	A. a+b=1 B. a-b=1 C. a=b D. a² -b² =1
132	A regular polygon has an interior angle of 165 ^{o}. How many sides does it have?	A. 15 B. 16 C. 20 D. 24
133	If radii of two circles are in the ratio 2:3 then their surface areas are in the ratio.	A. 2:3 B. 4:9 C. 8:18 D. 8:27
134	(0,0) is solution of inequality	A. 4x +5y > 8 B. 3x + y > 6 C. -2x +3y < b D. x+y> 4
135	Which number system as ud by the Egyptians.	A. Decimal B. Headecimal C. Sexagesimal D. Binary
136	Question Image	A. P B. Q C. U D. O
137	The plane figure formed by two rays sharing a common endpoint is called	A. An angle B. A degree C. Triangle D. A radian
138	The each interior angle of which regular polygon is 108 ^{o}	A. Square B. Pentagon C. Hexagon D. Heptagon
139	The complement ofΦ is	A. U B. Impossible C. Union D. <span style="font-size:14.0pt;mso-bidi-font-size:11.0pt; line-height:107%;font-family:"Calibri",sans-serif;mso-ascii-theme-font:minor-latin; mso-fareast-font-family:"Times

		New Roman";mso-fareast-theme-font:minor-fareast; mso-hansi-theme-font:minor-latin;mso-bidi-theme-font:minor-latin;mso-ansi-language: EN-US;mso-fareast-language:EN-US;mso-bidi-language:AR-SA">Φ
140	A traingle canbe constructed if the sum of the measure of any two sides is ..... the measure of the third side.	A. Less than B. Greater than C. Equal to D. Greater than and equal to
141	The interior and exterior angles of regular hexagon are in the ratio.	A. 1:2 B. 2:1 C. 1:6 D. 2:3
142	If g (x) = 7x-2 then g(-1) =	A. -2 B. -1 C. -7 D. -9
143	Point of concurrency of three medians of a triangle is called its.	A. In centre B. Ortho centre C. Centroid D. Circumcentre
144	Question Image	A. Rational number B. Irrational number C. Natural number D. Integer
145	$A \cup A^c$	A. U B. A C. A^c D. <span style="font-size:14.0pt;mso-bidi-font-size:11.0pt; line-height:107%;font-family:"Calibri",sans-serif;mso-ascii-theme-font:minor-latin; mso-fareast-font-family:"Times New Roman";mso-fareast-theme-font:minor-fareast; mso-hansi-theme-font:minor-latin;mso-bidi-theme-font:minor-latin;mso-ansi-language: EN-US;mso-fareast-language:EN-US;mso-bidi-language:AR-SA">Φ
146	The graph of inequality x > 0 is half palne	A. Upper B. Left C. right D. lower
147	Which of the followig is Not purpose of logrithms	A. Transforming non -linear calculation involving into linear form B. Managing calculations involving C. Measuring distance in astronomy D. Solvng exponential quations
148	The factor of x^2 - 5 x + 6 are	A. x+1 , x-6 B. x-2, x-3 C. x+6,x-1 D. x+2,x+3
149	Question Image	A. Rational Number B. Natural Number C. Irrational Number D. Integer
150	Which of the following expressions is often related to inductive reasonsing.	A. Based on repeated experiments B. If and only if satemetns C. Statement is proven by a theorm D. Based on generla principles
151	What will be added to complete the squae of $9a^2$ -12 ab?	A. -16 b2 B. 16 b2 C. 4 b2 D. -4b2
152	Question Image	A. Not a function B. onto function C. Into function D. One -one function
153	Question Image	A. log3 4=81 B. log4 3=81 C. log 3 81=4

		D. log 4 81=3
154	All points (x,y) with x<0,y<0 lie in quadrant	A. I B. II C. III D. IV
155	Question Image	A. -1 B. -1/2 C. 1/2 D. 1/7
156	The graph of 3^x represents.	A. growth B. decay C. a line D. Both a and b
157	Every surd is an .....number	A. Rational B. Real C. Complex D. Irrational
158	A set having only one element is called	A. Singleton set B. Super set C. Power Set D. Sub set
159	The LCM of $16x^2$, 4x and 30 xy is	A. 480 x³ y B. 240 xy C. 240 x² y D. 120 x⁴ y
160	The degree of linear inequality is	A. 1 B. 2 C. 3 D. 4
161	log $_9$1/82 =	A. -1 B. -2 C. 2 D. 1does not exist
162	How many types of function ?	A. 2 B. 3 C. 4 D. 5
163	In right -angled triangle one angle is right, other two angles are.	A. Right B. Obtuse C. Acute D. One acute,one obtuse
164	Question Image	A. Empty Set B. Infinite set C. Singleton set D. Binary set
165	The number of elements in a power set {a,b} is.	A. 1 B. 2 C. 3 D. 4
166	Question Image	A. Natural Number B. Rational Number C. Irrational Numbers D. Integers
167	Point (-3,4) lies in the quadrant.	A. I B. II C. III D. IV
168	The integral art of logarithm is known as.	A. Natural B. Characteristic C. Mantissa D. Real
169	Question Image	A. f is injective B. f is surjective C. f is bijective D. f is into only
170	292.5 ^{o}=.....rad.	
171	The statement "A straight line can be drawn between any two points" is	A. Theorem B. Conjective C. Axiom

		D. Logic
172	The logarithm of 345 is.	A. 1.5378 B. 2.5738 C. 2.5738 D. 3.5738
173	Question Image	A. a+1 B. a²-a C. a²+2a+1 D. a²+ 1
174	H.C.Fof a3 +b3 and a2-ab+b2	A. a+b B. a2-ab-b2 C. (a-b)2 D. a2 +b2
175	If the probability of an event is 3/7 then what is the probability of not occuring that event.	A. 6/14 B. 7/3 C. 0 D. 4/7
176	Which of the following represents the Egyptian symbol for 10?	A. A rope B. A lotus flower C. A heel bone D. a spiral
177	If A is a subset of B and A = B, then a is an .....of B.	A. Universal Set B. Proper Subset C. Improper Subset D. Power Set
178	If X= {a,b,c} then number of element is X x X are	A. 9 B. 12 C. 14 D. 16
179	Question Image	A. 2 B. 1 C. 4 D. 8
180	If A=(1,2,3,4} and B= (x.y.z}, then Cartesian product of A and B contains exactly .....element.	A. 13 B. 6 C. 10 D. 12
181	Find m so that x2 +8 x +m is a complete square.	A. 8 B. -8 C. 4 D. 16
182	If a numebr of base its logrithm are same then answer will be	A. 0 B. -1 C. 1 D. 10
183	Who is known as the fathe rof probability	A. Girolamo Cardano B. Sir Ronald fisher C. George cantor D. John Venn
184	The angle bisectors of a triangle interesect at.....	A. One point B. Twopoint C. Three point D. Four points
185	Log e = ...where 2.718	A. 0 B. 0.4343 C. 1 D. 0.22
186	In Roman counting the lettr "L"Represents the number	A. 10 B. 50 C. 100 D. 500
187	The logarithm of any numebr to itself as base is	A. 1 B. 0 C. -1 D. 10
188	Fundamental trigonometic ratios are	A. 3 B. 4 C. 5 D. 6
189	In-centre si the point of concurrency of three.....of triangle.	A. Right bisectors B. Angle bisectors C. Altitudes

		C. Altitudes D. Medians
190	The angle bisectors of the anglesof a triangle are	A. Congruent B. Collinear C. Concurrent D. Parallel
191	The bisectors of the angles of a triangle meet at a point called.	A. In centre B. Ortho centre C. Circumcentre D. Centroid
192	Question Image	A. Rational Number B. Prime Number C. Irrational Number D. Imaginary Number
193	How many lettter are used to Roman numeral system.	A. 3 B. 5 C. 7 D. 10
194	Question Image	A. 23 B. 15 C. 9 D. 40
195	If the decimal point is moved to the right when converting to scientfic notation, the exponent is.	A. Negative B. Positive C. Zero D. Constant
196	If the sum of interior angles of a rgular polygon is 1440 ^{o} then number of sides are	A. 8 B. 10 C. 12 D. 14
197	The line wich euation bisect the 1st and 3rd quadrant.	A. x -y = 0 B. x+y =0 C. y=2x D. y = 5x
198	The graph of which function has "S" shapes	A. Linear B. quadratic C. Cubic D. Reciprocal
199	Number of way sto describe a set	A. 1 B. 2 C. 3 D. 4
200	If a = b , b = c then a =c is an example of	A. Axiom B. Postulate C. Theorem D. Proof
201	An outcome which represnet how many times we epect the ghings to be happned is called	A. Outcoms B. Favourable outcomes C. Sampe space D. Sample point
202	The point of concurrency of the three altitudes of a angle is called.	A. Ortho centre B. In centre C. Circomcentre D. Centroid
203	The in center of any triangle alwyas lies .....the triangle.	A. Outside B. Inside C. Midpoint D. On base of
204	Question Image	A. Closed lower B. Closed Upper C. Open lower D. Open upper
205	The sum of interior angles of which regular polygon is 1080 ^{o}	A. Pentagon B. Hexagon C. Heptagon D. Octagon
206	Sum of interior anglesof a triangle is.	A. 60 ^o B. 120^o C. 180 ^o D. 240 ^o
		A. 3/2

207	If n(S) =12 and n(B) =8 then p(B) is	B. 2/3 C. 20 D. 4
208	Question Image	
209	Whch number system is known as Indo Arbaic numeals?	A. Decimal B. Headecimal C. Sexagesimal D. Binary
210	The equatio of a line in symmertic fom is.	A. x/a + y/b =1 B. x-x1/1 + y-y1/m = z -z1/1 C. ax +by +c =0 D. y -y1 =m(x-x1)
211	How many letters are used in the Roman use.	A. Decimal System B. Sexagesimal system C. Roman numeral system D. Indo-arabic numeral system
212	They y - intercepts of y = -2 x -1 is	A. -2 B. 2 C. -1 D. 1
213	Slope of the line y = 5x + 3 is	A. 3-3 B. 5 C. -5
214	The graph of a quadratic function is always.	A. Straight line B. Curves line C. Parabola D. Hyperbola
215	Question Image	A. 30^o B. 45 o C. 60 ^o D. 90 ^o
216	The number of elements in power set {a,b,c,d} is.	A. 4 B. 8 C. 16 D. 32
217	Ratio has	A. Fixed B. No symbol C. No unit D. No importance
218	The eqution of a straight line in the point slope form is written as	A. y =m (x+c) B. y -y1 = m (x -x1) C. y =c +mx D. ax +by+c=0
219	Which of the following is used to measure the angle.	A. Compass B. Protector C. Scale D. Set square
220	(x+y)(x2-xy+y2)=	A. x3-y3 B. x3+y3 C. (x+y)3 D. (x-y)3
221	One of factors of x3 -27 is	A. x-3 B. x+3 C. x²-3x+9 D. Both a and c
222	If m1 and m2 are slopes of two perpendicular lines then	A. m1 x m2 =0 B. m1 +m2 = 0 C. m1 -m2 =0 D. m1 xm2 =-1
223	The graphs of which equation pass through the origin.	A. y = 4 x + 2 B. y = x² + 1 C. y = 3 x ³ D. xy = 8
224	Ortho centre is thre point of concurrency of three.....of triangle	A. Right bisectors B. Angle bisectors C. Altitudes D. Medians
225	Cubic polynomial has degree	A. 1 B. 2 C. 3

		D. 4
226	Which of them is commutative property under addition	
227	The invention of zro is attributed to which civilization.	A. Greeks B. Indians C. Arabs D. Romans
228	Each elemet of the sample space is called	A. Event B. Experiment C. Sample point D. Outcomes
229	Locus of point equidistant from a fixed line is.	A. Circle B. Perpendicular bisector C. Angle bisector D. Parallel lines
230	If two polygons are similar, then	A. Their correspoding angles are equal B. Their areas are equal C. Their volumes are equal D. Their corresponding sides are equal
231	In sexagsimal system of measurment the angle is measuree in	A. Raidan B. Gradian C. oC D. D^o M'S""
232	Locus of points equidistant fromtwo fixed points is.	A. Circle B. Perpendicular bisector C. Angle bisector D. Parallel lines
233	Question Image	A. Commutative proerpty of Union B. Associative property of Union C. Commutative properry of interection D. Commutativ eproperty of intersection
234	Who is consiseerd father of formal logic.	A. Aristotle B. Alfred Noth C. Bertrand Russell D. Kurt Godel
235	What numeral system did the Romans use?	A. Decimal system B. Sexagesimal system C. Roman numeral system D. Indo -Arabic numeral system
236	A deviation is a difference of any value of the variable from a	A. Constant B. Variable C. Sum D. Zero
237	If g(x) = x^2 -3 then g (4) =	A. 9 B. 11 C. 13 D. 10
238	If two medians of a traingle are congruent thent he triangle will be	A. Isosceles B. Equilateral C. Right angled D. Acute angled
239	The graph of which equation is a straight line	A. y = 2x B. y = x² C. y = x¹ D. xy = 1
240	When all observations arenot of equal importance then we find	A. Mean B. Median C. Mode D. Weighted mean
241	Which of the following cannot be constructed with compass.	A. 15 ^o B. 30 ^o C. 45 ^o D. 95 ^o
242	For rationalize a denominator , we .....both the numerator and denominator y conjugate factor	A. Multiply B. Division C. Subtract D. Add
		A. Parallel

243	If the product of the gradients of two lines is (-1) then the lines are	B. Perpendicular C. Collinear D. Coincident
244	Find the median of the given data 110,125,122,130,124,127, nand 120	A. 124 B. 120 C. 125 D. 127
245	A perpendicular from a vert of traingl to the opposite side is called.	A. Altitude B. Median C. Angle bisector D. Right bisector
246	If 7x + 4 <6x +6 , then x belongs to the interval	
247	The degree of quadratic polynomia is	A. 1 B. 2 C. 3 D. -2
248	The garbage dumping area must be 5 km away from the city.Whcih locus do we have to draw.	A. Circle B. Right bisector C. Angle bisector D. Parallel lines
249	The sum of all values divided by number of values is called	A. Mean B. Median C. Mode D. Range
250	Question Image	A. {1,2,4,5} B. {2,3} C. {1,3,4,5} D. {1,2,3}
251	The middlemost observation in arranged data set is called	A. Mode B. Range C. Mean D. Median
252	The ratio of the areas of two similar polygons is	A. Equal to the ratio of their permeters B. Equal to the square of the ratio fo their corresponding sides C. Equal to the cube of the ratio of their corresponding side D. Equal to the sum of their corresponding sides
253	A vertical line divides the plane into	A. Left half plane B. Right half plane C. Full plane D. Two half plane
254	Sin 60 ^{o} =----------	A. 1 B. 1/2
255	In log b x = 725 , the characteristic is	A. 0 B. 1 C. 2 D. 3
256	y = 5 ^{x}is.....fuction	A. Linear B. quadratic C. cubic D. exponential
257	Solution of 5x -10 =10 is	A. 0 B. 50 C. 4 D. -4
258	Question Image	
259	The point of concurrency of the three right bisectors of the sides of a traingle is called.	A. Circumcentre B. In centre C. Ortho centre D. Centroid
260	log $_{10}$ 10 ^{0} is	A. 0 B. 1 C. 2 D. Imposible
261	If f(x) = 2x -1 then f (7)	A. 10 B. 11 C. 13 D. 15

262	Product of LCM and HCF =.....of two polynomial	A. Sum B. Difference C. Product D. Quotient
263	Question Image	A. 3/2 B. 3/4 C. 5/6 D. 2/3
264	The total number of diagonals in a polygon i with 9 sides is	A. 18 B. 21 C. 25 D. 27
265	Question Image	A. 0^o B. 90 ^o C. 180 ^o D. 360 ^o
266	The first component of each ordered pari (x,y) is called	A. Ordinate B. Coordinate C. Orgin D. Abscissa
267	The statemetn that has been proved true based on previously known facts is	A. axiom B. postulate C. thorem D. proof
268	Which of them is the set of all elemetns that belongs to both A and B.	A. Overlapping set B. Intersection of two sets C. Union of two sets D. Power Set
269	Question Image	A. 1/2
270	The logarithm of unity to any base is	A. 1 B. 0 C. 10 D. e
271	Question Image	A. Distributive of union B. De-Morgan's law C. Distributive property of intersection over union D. Distributive property of union over intersection
272	Question Image	A. Closed lower B. Closed upper C. Open lower D. open upper
273	Whcih number syste was used by the sumerians.	A. Decimal B. Hexadecimal C. Sexagesimal D. Binary
274	The probability of an equally likely event is	A. 0 B. 1 C. 50 D. 0.5
275	The each interior and exterior angle of which regular polygon is equal	A. Square B. Pentagon C. Hexagon D. Heptagon
276	Factors of 3x2 -x -2 are	A. (x+1)(3x-2) B. (x+1)(3x+2) C. ((x-1)(3x-2) D. (x-1)(3x+2)
277	What is the reason he numeral system used tody is called indo-arbic numeals?	A. It was invented by indians and spread by Arab merchants B. It was invented by Arbs and spred by indians C. It was invented by Europeans and improved by Arbas D. It was invented by Greeks and adopted by Arabs
278	Midpoint is also known as	A. Mean B. median C. Class limit D. Class mark

279	How many letters are used in the Roman numeral system.	A. 5 B. 6 C. 7 D. 8
280	The set of all points which is farther than 2 km from a fixed point B is a region outside a circle of radius..... and centre at B.	A. 1 km B. 1.9 km C. 2 km D. 2.1km
281	Each ordered pair consists of.....coordinates.	A. 2 B. 3 C. 4 D. 5
282	$Log_2\ 2^3$	A. 1 B. 2 C. 3 D. 5
283	In similar figures corresponding angles are congruent and corresponding sides are	A. Congruent B. Parallel C. Perpendicular D. Proportional
284	A set with no element is called	A. Subset B. Null set C. Super set D. Singleton set
285	Question Image	A. 125 ^o B. 135 ^o C. 150 ^o D. 225 ^o
286	Question Image	A. 3 B. 1/3 C. 45 D. 45/3
287	Which one of them is unary operatin.	A. Subtraction B. Multiplication C. Negation D. Addition
288	In $y = ax^2 + bx + c$ if $a< 0$ then parabola opens.	A. Upward B. downupward C. right ward D. Left ward
289	What shod be added to complee the square of y4 +81	A. 18 y2 B. -18y2 C. 9 y2 D. 18y
290	Question Image	A. Irrotional Numbers B. Rational Numbers C. Whole Numbers D. Natural Numbers
291	Question Image	A. associative property of intersection B. Associaive property of Union C. Commutative property of intersection D. Commutative property of Union
292	Every ---number is not a surd	A. Irrational B. Complex C. Rational D. Real
293	The Egyptians used a.....system for counting.	A. base 2 B. Base 10 C. Base 16 D. Base 60
294	---------of the logarithm of numbers can also be find by expression them in scientific notation	A. Mantissa B. Characteristics C. Base D. Ordinary notation
295	Which of them is the set of all element of U, whcih do not belong to A called.	A. Disjoint Set B. Complement of a Set C. Difference set D. Overlapping sets
296	The solution of inequality $x < 1$ is	
		A. 20 ^o

297	The each interior angle of regular pentagon is.	B. 108^o C. 36 ^o D. 72 ^o
298	The arrangemnt of data is necessary to find the value of.	A. Mean B. Median C. Mode D. Range
299	Question Image	A. log I B. log n C. log (i-n) D. - logn
300	Which one tells us how often a specific event occurs relative to the total numebr of frequency event or trials.	A. Expected frequency B. Sum of relative frquency C. Relative frequency D. Frequency
301	Question Image	A. -1 B. 1 C. 0 D. tan0
302	If the sum of the measures of two angles is less than 90 ^{o}, then the triangle is.....	A. Equilateral B. Acute angled C. Obtuse angled D. Right angled
303	If m1 and m2 are slopes of two parallel lines them	A. m1 x m2 = 0 B. m1 + m2 = 0 C. m1-m2 =0 D. m1 xm2=-1
304	Who is considered Father of formal logic?	A. Aristotle B. Alfred North C. Bertrand Russell D. Kurt Godel
305	All points (x,y) with x<0,y<0 lie in quadratn.	A. I B. II C. III D. IV
306	Ordered pair is written as.	A. x B. y C. (x,y) D. (y,x)
307	The solution region of inequality x< 1 is half plane	A. Close right B. Closed left C. Open right D. Open left
308	If Fatima rolled two fair dice then the probabiility of getting a fractional number is.	A. 0.5 B. 1 C. 0 D. 2
309	Question Image	A. Reflexive property B. Symmetric property C. Transitive Number D. Trichotomy property
310	Point (-1,4) lies is quadrant	A. I B. II C. III D. IV
311	If log (x+3) = log (15x -4) then x is.	A. 0.5 B. 7 C. 2 D. 17
312	A line that continually approaches a givne curve but does not meet it at any finite distance is called.	A. Horizontal line B. Vertical line C. Tangent line D. Asymptotes
313	A triangle having all sides different is called	A. Isoseles B. Scalene C. Equilateral D. Right
314	Factors of x4 - 16 is	A. (x-2)2 B. (x-2)(x+2)(x2+4) C. (x-2)(x+2) D. (x+2)2

315	The sexagesimal system is a number system with the base	A. 2 B. 10 C. 60 D. 16
316	A functin that is to be maximized or minimized is called.	A. Solution function B. Objective function C. Feasibel functioned D. None of these
317	Question Image	A. 1 D. 1/2
318	In coordinates (xy), x is known as	A. Abscissa B. Ordinate C. Firs element D. second element
319	The ortho center of an acute triangle lies .....of triangle.	A. Inside B. Outdise C. Midpoint D. Vertex of
320	For common logarithm the base is	A. 1 B. 10 C. 5 D. e
321	The observation that occurs most often is called	A. Mode B. Median C. Mean D. Range
322	A collectionof wel-known objects is called	A. Set B. Power set C. Subset D. None
323	Qand Q' are.....sets	A. disjoint B. Over lapping C. Intrsecting D. Supper
324	The graph of inequality y > 0 is half plane.	A. lower B. Upper C. Right D. Left
325	An event which will probably occur. It has greater chance to occur is called.	A. Equally likely event B. Likely event C. Unlikely event D. Certain event
326	If A and B are disjoint sets, then A U B is equal to	A. A B. B C. B U A D. <span style="font-size:14.0pt;mso-bidi-font-size:11.0pt; line-height:107%;font-family:"Calibri",sans-serif;mso-ascii-theme-font:minor-latin; mso-fareast-font-family:"Times New Roman";mso-fareast-theme-font:minor-fareast; mso-hansi-theme-font:minor-latin;mso-bidi-theme-font:minor-latin;mso-ansi-language: EN-US;mso-fareast-language:EN-US;mso-bidi-language:AR-SA">Φ
327	The circum center or right traingle lies on the.....of triangle.	A. Vertex B. Altitude C. Hypotenuse D. Base
328	log (0)=	A. Positive B. Zero C. Uderfined D. Negative
329	An equilateal traingl.....	A. can be isosceles B. Can be right angled C. Can be obtuse angled D. Has each angle equal to 50 ^o
330	The word probability is derived from	A. English word B. Latin word C. French word

		D. Greek word
331	Which of the following sentences describe deductive reasonging?	A. General conclusions from a limited number of observations B. Based on repeated experiments C. Based on repreated experiments D. Draw conslusion from well-known facts
332	L.C.M of 15 x 2 z, 45 x y2 and 30 yz2 is	A. 90 xyz B. 90 x2 y2 z2 C. 90 x3y3z3 D. 15 x2 yz
333	How many equilateral triangles are in a regular hexagon.	A. 4 B. 5 C. 6 D. 8
334	Question Image	A. Q' B. Q C. R D. 0
335	Factors of 8x3 -y3 are	A. (2x +y)(4x2+2xy-y2) B. (2x+y)(4x2 -2y +y2) C. (2x-y)(4x2-2xy+y2) D. (2x-y)(4x2 +2xy+y2)
336	The decimal part of Logaritm is	A. Mantissa B. Characteristic C. Real D. Imaginary
337	Any condifination and it .....are equivalent	A. negation B. contrapositive C. converse D. Inverse
338	The midpoint or class mark of the grop (6-10)3 is	A. 4 B. 6 C. 8 D. 10
339	The conjunction of two statemetn p and q is the true when.	A. Both p and q are false B. Both p and q are true C. Only q is true D. Only p is true
340	Question Image	A. 0^o B. 90 ^o C. 180^o D. 360 ^o
341	Question Image	
342	The boiling point of water Kelvin is	A. 373.15 B. 310.15 C. 273.15 D. 212
343	The right bisectos of the three sides of a triangle are.	A. Congruent B. Collinear C. Concurrent D. Parallel
344	Which of the following cannot be used as binary operation	A. Division B. Square root C. Multiplicaion D. Addition
345	Question Image	A. 0 B. n(B) C. n(A) D. n(B)-n(A)
346	All point with x<0,y<0 lie in quadrants	A. I B. II C. III D. IV
347	Question Image	A. Infinite set B. Subset C. Supper set D. Finite set
348	The number of subsets of a set of four elements is equal to	A. 16 B. 8

		C. 4 D. 6
349	A frequency polygon is geometrically	A. Closed figure B. Open figure C. Straight D. Curved
350	Log 100=	A. 2 B. 3 C. 1 D. 10
351	Question Image	A. 5 B. 7 C. 9 D. 10
352	x=0 is a solution of the inequality	A. x > 0 B. 3 < 0 C. x+2<0 D. x-2 <0
353	Question Image	A. 30 ^o B. 37.5^o C. 45^o D. 52.5^o
354	The squiare root of x2 -6x +9 is	C. x-3 D. x + 3
355	The solutin region restricted to the first quadrant is called	A. Obective region B. Feasible region C. Solution region D. Constraints region
356	Scientific notation of 0.00034 is	A. 3.4 x 10³ B. 3.4 x 10⁻⁴ C. 3.4 x 104 D. 3.4 x 10⁻³
357	If A={0} , then P {A}	A. 2 B. 3 C. 4 D. 8
358	Which shape corresponds to 600 in the Sumerian numerical system?	A. small cone B. Sphere C. Perforated sphere D. Large cone
359	Given that f(x) =3x +1 , if f(x)= 28 ,then the value of x is.	A. 3 B. 9 C. 18 D. 27
360	The prodcut of two polynomial is equal to the .....of their H.C.F and L.C.M	A. Sum B. Difference C. Product D. Quotient
361	Locus of points equidistant from two intersecting lines is	A. Circle B. Perpendicular bisector C. Angle bisector D. Parallel lines
362	In the following linear equation is	A. 5x>7 B. 4x-2<1 C. 2x+1 =1 D. 4=1+3
363	Distance between two point P (1.2) AND (4,6) is	A. 5 B. 6 C. 3 D. 4
364	The line of which equatio has slope 2 and passes through the origin.	A. y = x+2 B. y = 2x+ 2 C. y = 2x -2 D. y = 2x
365	Which of the following is an irrational number.snii	
366	Question Image	A. Distributive property of intersection over union B. De-Morgan's law C. Disributive of union D. Distributive property of union over intersection

367	if g (x) = x^2 -3 then g (-3) =	A. 2 B. 4 C. 6 D. 8
368	Number of ways in which a set can be described as	A. 1 B. 2 C. 3 D. 4
369	The set havig only one element is called	A. Null set B. Power set C. Subset D. Singleton set
370	log $_3$20 =.....	A. 2log₃, 2+log₃ 5 B. 2log₃, 2+log₃2 C. 2log₅ , 2+log₃2 D. 2log₄ , 2+log₃5
371	x = ...is not a solution of inequality x <-3/2	A. -1.5 B. -2.5 C. -3 D. -2
372	A locus of point equidistant from a line segment creates a shape.	A. Circle B. Triangle C. Sausage D. Rectangle
373	If the interesection fo two sets is empty,the sets are said to be .....set	A. Difference of two sets B. Disjoint C. Complement D. Overlapping
374	Which data takes only some specific values.	A. Continous data B. Discrete data C. Grouped data D. Ungrouped data
375	Question Image	A. {4} B. {5} C. {6} D. {<span style="font-size:14.0pt;mso-bidi-font-size:11.0pt; line-height:107%;font-family:"Calibri",sans-serif;mso-ascii-theme-font:minor-latin; mso-fareast-font-family:"Times New Roman";mso-fareast-theme-font:minor-fareast; mso-hansi-theme-font:minor-latin;mso-bidi-theme-font:minor-latin;mso-ansi-language: EN-US;mso-fareast-language:EN-US;mso-bidi-language:AR-SA">Φ}
376	The equation of a straight line in the slope-intercept form is written as.	A. y = m(x+c) B. y-yl =m (x -x1) C. y = c +mx D. ax+by+c=0
377	The graph of inequalty x< 0 is half plane	A. Lower B. Upper C. Right D. Left
378	Question Image	A. ~<o:p></o:p> B. = C. <span style="font-size:22.0pt;mso-bidi-font-size:11.0pt; line-height:107%;font-family:"Calibri",sans-serif;mso-ascii-theme-font:minor-latin;

379	Whch of the following is the symbol of similarity.	mso-fareast-font-family:Calibri;mso-fareast-theme-font:minor-latin;mso-hansi-theme-font: minor-latin;mso-bidi-theme-font:minor-latin;mso-ansi-language:EN-US;mso-fareast-language: EN-US;mso-bidi-language:AR-SA">≡ D. ≈<o:p></o:p>
380	The factorization of 12 x +36 is	A. 12(x+3) B. 12(3x) C. 12(3x+1) D. x(12+36x)
381	The logarithm of unity to any base is.	A. 1 B. 0 C. 10 D. e
382	A locus is a set of points that follow a given.	A. Instructions B. rule C. variable D. value
383	Question Image	A. X B. Y C. U D. <span style="font-size:14.0pt;mso-bidi-font-size:11.0pt; line-height:107%;font-family:"Calibri",sans-serif;mso-ascii-theme-font:minor-latin; mso-fareast-font-family:"Times New Roman";mso-fareast-theme-font:minor-fareast; mso-hansi-theme-font:minor-latin;mso-bidi-theme-font:minor-latin;mso-ansi-language: EN-US;mso-fareast-language:EN-US;mso-bidi-language:AR-SA">Φ
384	The point (-4,-5) lies in .....quadrant	A. I B. II C. III D. IV
385	A regular polygon has an exterrior angle of 30 ^{o}. How many diagonals does the polygon have?	A. 54 B. 90 C. 72 D. 108
386	The formua of Fibonacci sequence is.	
387	The graph of which function has at most two turning point.	A. Linear B. quadratic C. cubic D. biquadratic
388	If y-coordinates of two points are same then line passing through them is parallel to.	A. x-axis B. y -axis C. Origin D. any line
389	The HCF of a^3 b^3 and ab^2 is	A. a³b³ B. ab² C. a²b² D. a²b
390	Question Image	
391	The set having only ne element is called	A. Null set B. Power Set C. Singleton set D. Subset
392	The parallelogram has an area of 64 cm2 and a similar parallelogram has an area of 144 cm2. If a side of the smaller parallelogram is 8 cm, what is the corresponding side of the larger parallelogram?	A. 10 cm B. 12 cm C. 18 cm D. 16 cm

393	The conjuction of two statemens p and q is denoted by	A. p^ q B. p v q C. p ^-q D. p v-q
394	Question Image	D. 16
395	The relation of y=logz x implies	A. x^y = z B. z^y= x C. x²= y D. x²= x
396	If the decimal point is moved to the left when converitng to scientific notation, the exponent is.	A. Positive B. Negative C. Zero D. Constant
397	The logarithm of a number consists of .....pairs	A. Two B. Three C. Four D. Five
398	In scientific notion if the numebr is greater than 1, the exponent is	A. Netative B. Positie C. Zero D. None of these
399	The points (x,y) with x>0, y<0 lie is quadrant	A. I B. II C. III D. IV
400	Question Image	A. 50 m B. 25 m C. 35 m D. 70 m
401	A histogram is a graph of .....rectangles.	A. Adjacent B. Non adjacent C. Parallel D. Equalheight
402	Two spheres are similar, and their radii are in the ratio 4:5. If the surface area of the larger sphere is 500	A. <!--[endif]--><o:p></o:p>
403	The value of log 4+log 25 is	A. 2 B. 3 C. 4 D. 5
404	Venn diagramis useful only in case of.	A. Univesal set B. Subsets C. Abstract sets D. Concrete sets
405	H.C.F.of m-2 and m2+m -6 is	A. m+2 B. m+3 C. m2+m-6 D. m-2
406	The graph of which equation is a parabola	A. y = 2 x B. y = x² C. y = x ³ D. xy =1
407	Estimate probability of an event occurring is also known as	A. Relative frequency B. Expected frequency C. Class boundaries D. Sum of expected frequency
408	H.C.F of 35 a2b2 and 20 a3b3 is	A. 5 a2 b2 B. 20 a 3 b3 C. 35 a5 b5 D. 5 ab
409	The class having maximum frequency is called .....class	A. Median B. Upper C. Lower D. Model
410	The sum of all relative frequencies is always equal to.	A. 0 B. 1 C. 1.5 D. 2
		A. Arabs

411	Who did introduce the numerals (0-9) to Europe	A. Arabs B. Egyptians C. Summerians D. Indians
412	In a frequencey polygon frequencies are plotted against	A. Midpoints B. Class limits C. Class boundaries D. Size of classes
413	Which of the following is nt on the y- axis	A. (oo) B. (o,e) C. (0,f) D. (g,0)
414	The process which generatethe result is called	A. Event B. Experiment C. Out comes D. Probability
415	In log x = -2.1234 the value of x is	A. 0.007526 B. 0.07526 C. 0.7526 D. 7.526
416	The statemetn "The sum of the interor angle of a triangle is 180 ^{o} is	A. Converse B. Theorem C. Axiom D. Conditional
417	The quality of two ratios is called	A. Proper factor B. Scale factor C. Area factor D. Proportion
418	Question Image	A. Colsed right B. Closed left C. Open right D. Open left
419	If A ={ } , then P (A) is	A. { } B. { 1} C. {{ }} D. 0
420	The exterior angle of regular pentagon is	A. 40 ^o B. 45 ^o C. 60 ^o D. 72 ^o
421	The disjunction p v q is False when p and q are	A. T, T, B. T, F C. F, T D. F ,F
422	Find out the total number of possible sample space when 4 dice are rolled.	A. 6² B. 6³ C. 6⁴ D. 6⁶
423	y = -3x3 + 7 is.....function.	A. exponential B. cubic C. linear D. reciprocal
424	Question Image	
425	The invention of Zero is attributed to	A. Arabs B. Egyptians C. Sumerians D. Indians
426	Whcih of the following line does pass throgh the origin.	A. y = 4 B. y = 4x C. = 4 x +5 D. y < -2
427	In a regular hexagon, the ratio of the length of a diagonal to the side length is.	A. 2:1 B. 3:2 C. 2:3 D. 4:1
428	The size of class interval (6-10) is	A. 4 B. 5 C. 810
429	Locus of all points equidistant from a fixed point is.	A. Circle B. Perpendicular bisector C. Angle bisector D. Parallel bisector

		D. Parallel bisector
430	The ratio of corresponding sides of similar figures is called	A. Common factor B. Scale factor C. Grading factor D. Proportion
431	Question Image	A. Equation B. Identity C. Inequality D. Linear equation
432	Question Image	A. Trichotomy B. Transitive C. Additive D. Multiplicative
433	The differente number of ways to describe a set are.	A. 1 B. 2 C. 3 D. 4
434	The number of times a value occurs in a data is called	A. Frequency B. Relative frequency C. Class limit D. Class mark
435	Question Image	
436	Let 5 x2 - 17 xy - 12y2 = A x B if A = (x -4y) then B is.	A. (5x+3y) B. (5x-3y) C. (5x+3y) D. (5x-4y)
437	The disjunction of negation of two sttatements p and q is denoted by	A. p ^ q B. p v q C. p v - q D. p ^ -q
438	"0" is	A. Rational Number B. Sigleton set C. Positive integer D. binary set
439	If set A has 3 elements and B has 4 then A x B has .....elements.	A. 4 B. 7 C. 3 D. 12
440	x= 5 represents.	A. x - axis B. y- axis C. Line to x -axis D. line ll to y -axis
441	The linear equation formed out of the linear inequlity is called	A. Linear equation B. Associated equation C. Quadratic equal D. None of these
442	Question Image	A. 3/4 B. 4/3 C. 9/8 D. 9/4
443	Question Image	
444	The chance of occurrence of a particular event is called.	A. Sample space B. Estimated pobability C. Probability D. Expected frequency
445	The graph of which function has "U" shape.	A. Linear B. quadratic C. cubic D. reciprocal