64. If cot A= $\sqrt{\frac{1}{\sqrt{3}}}$, 0 < A \le 90, then A is									
	A. 30°			C.	60°	D. 90 ^o			
65. If 5 tan	=4 , find the value of								
		_ 1/			1/	_ 1/			
00 TI	A.				$\frac{1}{6}$	D. $\frac{1}{5}$			
66. The ratio of volume of a circular cylinder and right circular cone of the same base and height will be - A. 1:3 B. 3:1 C. 4:3 D. 3:4 67. The value of y, $y^2 - \frac{1}{3}y = \frac{2}{9}$									
will be -	A. 1.3 1 2	D. J. I		U .	4.3	D. 3 . 4			
67. The valu	le of y, $y^2 - \frac{\pi}{3}y = \frac{\pi}{9}$								
	A. $-\frac{1}{3}$, $\frac{2}{3}$, , , ,			, , , ,	D. $\frac{2}{3}$, $\frac{3}{4}$			
68. If a ² +b ² =	=45 and ab=18	then $\frac{1}{-} + \frac{1}{-}$ is	3						
	=45 and ab=18 A. $\frac{1}{3}$ B. $\frac{2}{3}$	a b		C.	1/2	D. 3			
	quadrant point (-5 , -7	,			/ 2				
00. III WIII0II	A. 1 st	B. 2 nd		C	3 rd	D 4 th			
70. The LCN			HCF is	•	_	umber is 189. The other			
number is -		B. 279	.00			D. 279			
	7 207	D. 270		Ο.	702	5.270			
71. Newton'	s first law is based in p								
	A. Dalton	B. Davy		C.	Galileo	D. Joule			
72. The sma	Illest unit of memory is								
	A. 16 bytes			C.	1 kilobyte	D. 1 G B			
73. Who de	fined the binary syster								
	A. AND Leibniz			C.	Newton	D. Aristotle			
74. Which o	of them is not a unit of								
A. Light year B. Nano second C. Micro second D. Second									
75. The tem	perature at which no	more energy	can b	e re	moved from ma				
	A. Absolute Zero	0 1	int	C.	32ºF	D. 32°C			
76. A gas h	aving the smell of rotte	en egg.							
	A. Chlorine	B. Helium		C.I	Hydrogen sulphic	de D.Sulpher dioxide			
77. The hig	hest refractive index i	s of							
	A. Glass	B. Water		C.	Diamond	D. Ruby			
78. An orga	nic weak acid is								
	A. Formic acid	B. Sulphuric			Nitric acid	D. Hydrochloric acid			
79. The cou	intry that will host the								
		Russia	C. Ind	dia	D. Chii	na			
80. Champi	ons of IPL 2015								
A. Chennai Super kings			B. Kolkatta knight Riders						
	C. Punjab Kings		D. Ra	ajas	than Royals				
Choose the correct answer from right side. (10x2=20)									
					A. Sugar				
82. International Day of Yoga				B. Theobromine					
83. $\sqrt{625^{0.26} \times 625^{0.24}}$				C. Kochi					
84. Cat dancing disease			D. Glucose						
85. C ₁₂ H ₂₂ O ₁₁			E. Dehradun						
86. Indian Navy Academy			F. 5						
87. Indian Military Academy			G. Minamatha						
88. Stimulating agent in cocoa			H. 21 june						
89. World press Day			I. 25						
90. C ₆ H ₁₂ O ₆			J. May 3						







Time: 90 minutes

D. None of these

SET - I

QUESTION PAPER

	F	Reg. No:				Max.Marks: 100
!	Ch	oose the Correct answer and	darken the bubble o	corre	sponding to the	
	1.	Rainbow is caused due to the	of light.			(80x1=80)
		A. Reflection	B. Refraction	C.	Dispersion	D. All the above
	2.	The country of Windmills				
		A. Australia	B. Britain		Canada	D. Denmark
	3.	The gram molecular weight of				_
		A. 252 amu	B. 252g	C.	248amu	D. 248g
	4.	What is the best source of pu		_		- • • • • • • • • • • • • • • • • • • •
	_	A. Coir	B. Hemp		Jute fibre	D. Cotton fibre
	5.	-5°C corresponds to which te	•			D 000E
	_	A. 9°F	B. 14°F	C.	23°F	D. 28°F
	6.	Gobar Gas contains mainly	D. M. II	0	F.I. 1	D 0 1
A_	3 c	A. Carbon dioxide			Ethylene	D. Carbon monoxide
		othe vitamin responsible for a			\	D. Wilk
		$\cos \theta$ A. Vit A	B. Vit B	Ċ.	Vit E	D. Vit K
	8.	Brass is an alloy of	D 0 0 7' 1	0	7' 0 1 1	D 1 10 T
	^	A. Copper & Tin		Ċ.	Zinc & Lead	D. Lead & Tin
	9.	What is the Voltage of domest A. 330 V		0	44 1/\/	D. Nama of these
	10		B. 220 V	Ü.	11 KV	D. None of these
	10.	. The focal length of a plane mi	B. Zero	0	Infinite	D 500m
	44	A. IIII Best feature film of 62 nd Nation			minite	D. 50cm
	11.	A. Mary Com	B. Haider		Court	D. Queen
	12	. Meteorology is the Science o		0.	Court	D. Queen
	14.	A. Metels	B. Weather	C	Earthquakes	D. Roads
	13	In the Einstein Equation E = n		0.	Laitiquakes	D. 110a03
	10.	A. Velocity of sound	· ·	C	A constant	D. Current
	14	. A microphone is used to conv		0.	7 Constant	D. Guiteiti
	17.	A. Sound waves into		В	Sound waves	to electrical energy
		C. Sound waves into				gy to sound waves
	15	Bauxite is an important ore of	•	٥.	LIOOTI IOUI OTICI	g, to bound waves
		A. Copper	B. Zinc	C	Aluminium	D. Iron
	16.	. Malaria is a disease which aff		٥.		•
	- •	A. Liver	B. Spleen	C.	Intestine	D.Lungs
	17.	. What is the SI unit of tempera	•		· -	- 3 -
	•	A. Celsius	B. Kelvin	C.	Centigrade	D. Fahrenheit
	18.	. The source of solar energy is			J	

B. Nuclear fusion C. Sinking of the sun

A. Nuclear fission

