ONE MARK SPECIAL TEST NAGAPATTINAM DISTRICT EDUCATION DEPARTMENT

	Stand	ard X	Reg.No.		
Time : 3.00 hrs	SCIE	NCE	Marks: 10		
I. Choose the correc	t answer:	in the work of his	incledes at the contract with the		
1. One kilogram force	equals to		dia and xellino sections.		
a) 9.8 dyne	b) 9.8 x 10 ⁴ N	c) 98 x 10 ⁴ dyne	d) 980 dyne		
2. To project the rocke	s which of the follow	ring principle(s) is (a	re) required?		
a) Newton's third lav	v of motion	b) Newton's law of	gravitation		
c) law of conservation	on of linear momentu	ım d) both (a) and (c)		
3. Inertia of a body dep	ends on	They seems	ina albrere); munte (3. 1		
a) weight of the obje	ct	b) acceleration due	to gravity of the planet		
c) mass of the object		c) both (a) and (b)	d Special Para		
4. Where should an ob	ject be placed so th	a a real and inverte	d image of same size is		
obtained by a conve	x lens		Mgc Willers (C		
a) f	b) 2f	c) infinity	d) between f and 2f		
5. Power of a lens is -4	ID then its focal leng	th is	e steer mations are c		
a) 4m	b) –40m	c) -0.25m	d) –2.5m		
6. The eye defect 'Pres	byopia' can be corre	cted by	Y 2 04 15 may 20		
a) convex lens	b) concave lens	c) convex mirror	d) Bi focal lenses		
7. The SI unit of force is	1	30	standem k		
a) energy	o) joule	c) newton	d) dyne		
8. Which one of the foll	owing is a scalar qua	antity?	bout out an appare		
a) momentum I) moment of force	c) speed	d) velocity		
9. In a myopic eye, the	image of the object i	s formed	Listate and F		
a) behind the retina	es arrens.	b) on the retina	aluman de la companya		
c) in front of the retin	a ·	d) on the blind sp	ot nalo energo a de E		
0. The distance between	The distance between the lens and focus is called				
a) pole) radius of curvature	c) focal length	d) principal axis		
11. For air, the refractive	index is				
a) 1 t) infinity	c) 0	d) 2		

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12.	If a substance is he	eated or cooled, the	change in mass of	that substance is
	a) positive	b) negative	c) zero	d) none of the above
13.	The value of absolu	ute zero temperatur	e is	/ (d taten in fe
	a) 273°C	b) 100°C	c) 0°C	d) -273°C
14.	Which of the follow	ring has the fastest	process of heat tran	sfer?
	a) Conduction .	b) Convection	c) Radiation	d) all the above
15.	The amount of hear	t energy required to	rise the temperature	of 1 gram of water through
	1ºC is			b) Inter Union Fublic As
	a) One kilo calorie	b) one joule	c) one kelvin	d) one calorie
16.	The formula for co	nversion of tempera	ture from Kelvin to C	Celsius is
	a) C = K + 73	b) $C = K - 273$	c) C = K + 460	- d) C = K- 460
17.	Kilowatt hour is the	unit of	to to the second	s (d Tanta (s
	a) resistivity	b) ronductivity	c) electrical energ	gy d) electrical power
18.	SI unit of resistance	e is		79700 (S
	a) mho	b) joule	c) ohm	d) ohm meter
19.	The rate of flow of	charge in conductor	r is	1001 (0
	a) Charge	b) Current	c) Resistance	d) Conductivity
20.	1 Horse power is e	qual to		ing Cerbohydrate 15 to
	a) 546 watt	b) 646 watt	c) 746 watt	d) 846 watt
21.	. In India, domestic o	circuits are supplied	with an alternating cu	urrent of potential
	a) 210V		c) 220-230V	
22	. When a sound war	ve travels through a	ir, the air particles	83. ATP factory of the nall is
	a) vibrate along the	e direction of the wa	ve motion	a) Risconce
	b) vibrate but not in	any fixed direction		a) Chloroplasm
	c) vibrate perpend	icular the direction o	of the wave motion	34, in sech locamotion is n
	d) do not vibrate	Siboseus		and a remain of a section
23.	. The frequency, wh	ich is audible to the	human ear is	estad (a
	a) 50 kHz	b) 20 kHz	c) 15000 kHz	d) 10000 kHz
24.	Sound waves do n	ot travel in	da Franchigae Si	a) 23 cogments (b) 3
	a) vacuum	b) solid	c) liquid	d) gases standy .80
25.	Dolphins and bats	hear	(o. Sepocia mad	(a) Cold blooded (b)
	A) Audible wave		b) Infrasonic way	
	c) Ultrasonic wave	Contra Cience Bys	d) None of the ab	a) Central National level
		e day is to		o) contra Natural System

	usM anO+cons		3/8	X Science (One Mark
	Artificial radioactivi	ty was discovered b	у	
	a) Becquerel	b) Irene Curie	c) Roentgen	d) Neils Bohr
27.	isotope is	used for the treatm	ent of cancer	
	a) Radio Iodine	b) Radio Carbon	c) Radio Cobalt	d) Radio Nickel
28.	aprons ar	e used to protect us	s from gamma radia	tions
	a) Lead oxide	b) Iron	c) Lead	d) Aluminium
29.	β rays are nothing I	out		
	a) protons	b) neutrons	c) electrons	d) helium
30.	Hydrogen atom doe	es not have	_ithebus to garnes	
	a) proton	b) neutrons	c) electrons	d) all the above
31.	Kamini reactor is lo	cated at	. Britishnia m <mark>i</mark> gose	
	a). Kalpakkam	b). Koodankulam	c). Mumbai	d). Rajasthan
32.	is used to	treat problems rela	ted to the thyroid gla	and
	a) Radio Sodium	b). Radio Cobalt	c) Radio iron	d) Radio iodine
33.	Mass of 1 mole of	Nitrogen atom is	en e	
	a) 28 amu	b) 14 amu	c) 28 g	d) 14 g
34.	Which of the follow	ring is a triatomic m	olecule?	
	a) Glucose	b) Helium	c) Carbon dioxide	e d) Hydrogen
35.	Isotopes have diffe	rent number of	160 USW	
			c) electrons	d) neutrons
36.	The sum of the nur	mber of protons and	neutrons of an ator	n is
			c) mass number	
37.	The gram molecula	ar mass of water is		
			c) 20 g	
38.	The number of per			
	(Antique Manage Carrier)	b) 7,17		d) 7,18
39.	group cont			
٠.		b) 15 th	The second secon	d) 16 th
40.	The state of the s			er of zinc is called
	a) painting		Lagrange Courses	d) electroplating
41.	is an impo			
	THE RESERVE THE PARTY OF THE PA	b) Hg	arrival and the party of the same of	d) Al
	0.420.18	(db)		그 전기 기계시계 : 그것 보안 환경상 10%

	- 400 Mg/L		4/8	Science (One Mar	
42.	During electron aff	inity is forme	ed.		
	a) atom	b) metal	c) cation	d) anion	
43.	The number of cor	nponents in a binary	solution is		
. `	a) 2	b) 3	c) 4	d) 5	
44.	When pressure is	increased at consta	nt temperature the s	olubility of gases in liqu	
	a) No change	b) increases	c) decreases	d) no reaction	
45.	10% sugar solution	n means 10g of suga	r in g of wate	or.	
	a) 100	b) 20	c) 90	d) 110	
46.	The following is a	deliquescent substan	ice		
	a) quick lime	la dimen	b) ferric chloride		
	c) silica gel	Law Live on	d) conc. Sulphuric	acid	
47.	The main factor(s)	which govern(s) the	solubility of a solute	is (are)	
	a) Nature of the so	lute and solvent	b) pressure		
	c) temperature		d) all the above		
48.	Photolysis is a dec	composition reaction	caused by		
	a) heat		b) electricity .		
	c) light		d) mechanical ener	rgy	
49.	Powdered CaCO ₃ reacts more rapidly than flaky CaCO ₃ because of				
	a) large surface ar	ea	b) high pressure		
	c) high concentrati	on 🌯	d) high temperature		
50.	Plants grow by abs	sorbing nutrients from	the Earth and get th	eir food by	
,	a) photosynthesis	b) thermal energy	c) electricity	d) heat	
51.	In a neutralization	reaction, an acid and		water and	
	a) salt	b) hydrogen	c) oxygen	d) all the above	
52.		s a reaction			
		b) hydration		d) compustion	
53.	The pH of acid rain	water is			
	a) 7	b) < 7	c) > 7	d) 0	
54.		n aqueous solution w			
	a) 95.5 %	b) 75.5 %	c) 55.5 %	d) 45.5 %	
				The state of the s	

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55.	TFM in soaps rep	resents con	tent in soap.			
	a) mineral	b) vitamin	c) fatty acid	d) carbohydrate		
56.	The substance ob	tained by the distilla	tion of red ants is	· · · · · · · · · · · · · · · · · · ·		
	a) ethyl alcohol	b) ethylene	c) formic acid	d) propylene		
57.	IUPAC stands for					
	a) Indian Union Panchayat Account Class					
	b) Inter Union Pul	olic Assistant Comm	ission			
	c) International Ur	nion for Pure and Ap	plied Chemistry			
	d) Inter Ultra Pure	Application Coffee				
58.	Compound having	g fruity odour is				
	a) ether	b) alcohol	c) ester	d) aldehyde		
59.	Casparian strips a	are present in the	of the root.	•		
	a) cortex	b) pith	c) pericycle	d) endodermis		
60.	The endarch cond	dition is the characte	ristic feature of			
	a) root	b) stem	c) leaves	d) flower		
61.	Which is formed during anaerobic respiration?					
	a) Carbohydrate	b) Ethyl alcohol	c) Acetyl CoA	d) Pyruvate		
62.	Oxygen is produc	ed at what point dur	ing photosynthesis?			
	a) when ATP is converted to ADP		b) when CO2 is fixed			
	c) when H ₂ O is sp	plitted	d) All of these	svir la		
63.	ATP factory of the	cell is		ro three the land		
	a) Ribosome		b) Mitochondria			
	c) Chloroplasts		d) thylakoid and g	grana		
64.	In Jeech locomotic	on is performed by		35. 197.0		
	a) Anterior sucker		b) Parapodia			
	c) Setae		· d) Contraction ar	nd relaxation of muscles		
65.	The body of leech	has				
	a) 23 segments	b) 33 segments	c) 38 segments	d) 30 segments		
66.	Mammals are	animals.				
	a) Cold blooded	b) Warm blooded	c) Poikilothermic	d) All the above		
67.	CNS stands for					
	a) Central Nationa	al System	b) Central Nerve	s System		

			6/8 X	Science (One Mark		
	68.	In mammals, the thoracic cavity is se	parated from abdomina	al cavity by		
		a) Diastema	b) Diaphragm			
		c) Coelomic body cavity	d) Pleural membra	ne		
	69.	Water which is absorbed by roots is tr	ansported to aerial par	ts of the plant through		
		a) cortex b) epidermis	c) phloem	d) xylem		
	70.	The wall of human heart is made of				
		a) Endocardium b) Epicardium	c) Myocardium	d) All of the above		
	71.	Which is the correct sequence of bloc	od flow ?	turo friida Auragistoria (s		
		a) ventricle atrium vein arteries	b) atrium ventricle v	veins arteries		
	2	c) atrium ventricle arteries vein	d) ventricles vein at	trium arteries		
	72.	'Heart of heart' is called		erin etti erilgised o :		
•		a) SA node b) AV node	c) Purkinje fibres	d) Bundle of His		
	73.	Root hairs are	si ni di ce piendit, de la	in a transmission of		
7.7		a) cortical cell	b) projection of epidermal cell			
		c) unicellular	d) both (b) and (c)			
	74.	Bipolar neurons are found in				
		a) retina of eye	b) cerebral cortex			
		c) embryo	d) respiratory epithe	elium		
	75.	. The outer most of the three cranial meninges is				
		a) arachnoid membrane	b) piamater	grandi zana jaki ji		
		c) duramater	d) myelin sheath			
	76.	Which nervous band connects the two	cerebral hemispheres	of brain?		
	•	a) thalamus b) hypothalamus	c) pons	d) corpus callosum		
	77 .	Node of Ranvier is found in				
		a) muscles b) axons	c) dendrites	d) cyton		
	78.	The endocrine gland that is located in	the brain is	ountainanta (and south south)		
		a) Thymus gland b) Adrenal gland	c) Pituitary gland	d) Parathyroid gland		
	79.	Gibberellins cause:				
		a) Shortening of genetically tall plants	b) Elongation of dwarf plants			
		c) Promotion of rooting	d) Yellowing of youn	g leaves		

1		7/8	X Science (One Mark)		
80.	Identify the exocrine gland				
	a) Pituitary gland b) Adrenal gla	and c) Salivary	gland d) Thyroid gland		
81.	Which organ acts as both exocrir	e gland as well as	endocrine gland?		
	a) Pancreas b) Kidney	c) Liver	d) Lungs		
82.	Which one is referred as "Master	Gland"?	idnet set kosett, bet jetor i je		
	a) Pineal gland b) Pituitary gl	and c) Thyroid	gland d) Adrenal gland		
83.	Sudden elongation of stem follow	ed by flowering is o	alled		
	a) Bolting	b) Apical D	ominance		
	c) Richmond Lang effect	d) None of	the above		
84.	The plant which propagates with t	he help of its leave	s is		
	a) Onion b) Neem	c) Ginger	d) Bryophyllum		
85.	The essential parts of a flower are	·	edalas i vigragiai i cuola 🍨		
	a) Calyx and Corolla	b) Calyx ar	d Androecium		
	c) Corolla and Gynoecium	d) Androec	ium and Gynoecium		
86.	Estrogen is secreted by				
	a) Anterior pituitary	b) Primary	follicle		
	c) Graffian follicle	d) Corpus l	uteum		
87.	Okasaki fragments are joined toge	ether by			
	a) Helicase	b) DNA poly	merase		
	c) RNA primer	d) DNA liga	se		
88.	The 'use and disuse theory' was p	roposed by			
	a) Charles Darwin	b) Ernst Ha	eckel		
	c) Jean Baptiste Lamarck	d) Gregor M	lendel		
89.	The best way of direct dating fossils of recent origin is by				
	a) Radio-carbon method	b) Uranium	b) Uranium lead method		
	c) Potassium-argon method	d) Both (a)	and (c)		
90.	The term Ethnobotany was coined	l by			
	a) Khorana	b) J.W. Har	sbberger		
	c) Ronald Ross	d) Hugo de	Vries		
91.	Palaeontology deals with the study	of			
	a) Internal organs of ancestors	b) Origin of	life		
	c) Ancient animals	d) Fossils			

			8/8	X Science (One Mark)
22.	We can cut the D	NA with the help of		
	a) scissors	b) restriction en	donucleases c) k	nife d) RNAase
93.	Pusa Komal is a	disease resistant v	ariety of	
	a) sugarcane	b) rice	c) cow pea	d) maize
94.	World 'No Tobac	co Day' is observed	on	V. H. H. C. L.
	a) May 31	b) June 6	c) April 22	d) October 2
95.	Where does alco	hol effect immedia	tely after drinking?	
	a) Eyes		b) Auditory regio	n
	c) Liver	what er action	d) Central nervo	ous system
96.	A renewable sou	rce of energy is	at, to glavi grieni w Asi	
74	a) petroleum	b) coal	c) nuclear fuel	d) trees
97.	Global warming	will cause	510 751/01	t a Manton of Good at 1
	a) raise in level of	f oceans	b) melting of gla	ciers
	c) sinking of islar	nds	d) all of these	viscal eggs sample in
98:	Which is used to	build scripts?		of new case a regard of
	a) Script area	b) Block palette	c) stage	d) sprite
99.	Which software i	s used to create ar	nimation ?	
	a) Paint	b) PDF	c) MS Word	d) Scratch
-100).All files are store	d in the		
	a) Folder	b) Box	c) Paint	d) Scanner
			**************************************	Sent couel to