



10.	Digestion of starch in a test tube can be demonstrated by adding							
	A. Albumin B. Diatase C. Zymase D. Saliva							
11.	Which of the following ions (radicals) form insoluble compounds with elements of Group IIA of periodic table.							
	A. Carbonates B. Nitrates C. Acetates D. Chlorides							
12.	Spodumene is the mineral of							
	A. Lithium B. Sodium C. Potassium D. None							
13.	Indicate the most viscous liquid in the following.							
	A. $H_2O$ B. $CH_3OH$ C. $CH_4$ D. $CH_3OCH_3$							
14.	Identify the reducing agent in the reaction $2Mg(s) + O_2 \rightarrow 2Mg^{2+}(s) + 2O^{2-}$							
	A. O <sup>2-</sup> B. Mg <sup>2+</sup> C. O <sub>2</sub> D. Mg							
15.	Which is not the mineral of Silicon							
	A. Analcite B. Asbestos							
	C. Dolomite D. Zircon							
16.	Substance that affects the rate of reaction but remains unaltered at the end of the reaction is called							
	A. Catalyst B. Acid C. Base D. None of the above							
17.	If one mole of solute is dissolved in one liter of solution, the solution is called							
	A. None of the B. One molal C. One molar D. One normal							
18.	If one gram equivalent of a solute is dissolved in one liter of solution, the solution is called							
	A.One normalB.One MolalC.One molarD.None of the above							
19.	At constant temperature, volume of a given mass of a gas is inversely proportional to pressure exerted or it is called	n						
	A. Coulomb's Law B. Boyle's Law C. General Gas Law D. Charles Law							
20.	The number of atoms or molecules whose concentration determine the rate of reaction is called							
	A. Molecularity B. Rate of C. Order of reaction D. None of the above reaction	č						



21.	Elec	ctrolytes whi	ch ioniz	ze to a	very small	extent	in a s	olution	are called				
	Α.	Neutral	В.	Weak	electrolyte	es	C.	Strong	g electrolyt	es	D. No	one of the ab	ove
22.	The	e change of c	oncent	ration	of reactant	s or pro	oduct	s in a gi	iven time i	s calle	d,		
	A.	Order of reaction	E	3.	Rate of rea	iction	C.	Mole	ecularity	D	. No	one of the ab	ove
23.	Rea	actions which	n procee	ed in th	e forward	directio	on and	l go to c	completion	are ca	ulled		
	A.	Irreversible reaction	e	В.	Equilik reactio			C.	Reversit reaction		D.	None of above	the
24.		en the reaction ich element,					trially	to red	uce the Zn	O to Zi	n?		
	Α.	Cu		В.	Pb			C.	Sn		D. C		
25.		law which st s place in on				t evolve	ed or a	absorbe	ed in a proc	ess is t	the same	whether the	process
	Α.	Newton's la	aw					В.	First law o	of ther	modyna	mics	
	C.	Hess's law						D.	Law of co	nserva	tion of e	energy	
26.	_	ch type of re					_				_		
	Α.	neutralizati			oxidation-r			С.	polyme	rizatio	n D.	saponifica	ation
27.		ich property	is gene	rally cl			-		-				
	A.	insoluble ir	n nonpo	olar sol	B.	solu solv		polar		gh mel int	ting	D. low me point	elting
28.	Whi	ich procedur	e will ir	ncrease	es the solub	oility of	KCl ir	n water	?				
	A.	stirring the solute and solvent mix	ture		raising the temperatu solvent			SL	creasing tl urface area olute		D.	increasing t pressure or surface of t solvent	the
29.	As t	he temperat	ure of a	samp	le of a radio	oactive	elem	ent dec	creases, th	e half-	life will		
	А.	Rmain the s	ame	В.	increase	C.	deo	crease		D.	first ind decrea	crease then se	
30.	In co	ommon ion e	ffect th	e degr	ee of ioniza	ation is	suppi	ressed b	by the addi	tion of			
	А.	A compoun	d B.	Ano	ther electr	olyte	C.	An ele	ement	D.	None		
31.	Whi	ch formula r	epreser	nts a m	olecular su	ıbstanc	e?						



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	Α.	СО	В.	CaO	C.	Li <sub>2</sub> O	D.	Al <sub>2</sub> O <sub>3</sub>
32.	The	process in which sol	vent par	ticles surround sol	ute par	ticles is called,		
	Α.	Hydration	В. Ηγ	/drolysis	C.	Saturation	D.	Solvation
33.		ch sequence of Grou ngth of the Van der V	• •			-		
	Α.	Ar, Kr, Ne, Xe	В.	Xe, Kr, Ar, Ne	C.	Kr, Xe, Ar, Ne	D.	Ne, Ar, Kr, Xe
34.		en the reaction at equic the reaction at equic the change will shift t				O₃(g) + heat		
	Α.	adding more $O_2$	В.	adding a catalyst	C.	decrease the pressure	D.	increasing the temperature
35.	Wha	at is the oxidation nu	mber of	carbon in NaHCOa	3?			
	Α.	+6	B. +2	<u>-</u>	C.	+4	D	)4
36.	Rea	ction of ethanol with	iodine g	gives Iodoform hav	ving			
	Α.	White PPt.		В.	Yel	low PPt.		
	C.	Pale yellow PPt.		D.	Col	orless PPt		
37.	Este A.	erification of acetic a Carboxylic acid and		cess ethanol in the		nce of sulfuric acid B. ethyl acetate		
	C.	ethyl acetate and o	arbondi	oxide		D. Ketones and c	arbor	ndioxide
38.	Atta call		roup in	the benzene ring i	n prese	ence of an alkyl hal	ide ar	nd a catalyst AlCl <sub>3</sub> is
	Α.	WurtZ Reaction			E	3. Halogenations		
	C.	Friedal-craft's alkyl	ation		C	D. Carbonization		
39.	Ord	er of reactivity of alk	yl halide	e is				
	Α.	R-I> R-Br> R-CI> R-	F			B. R-Cl> R-I>R-Br	>R-F	
	C. (					D. R-Br> R-Cl> R-	F> R-I	
40.	Wh	at is a product of oxid	lative py	vrolysis (of CH <sub>4</sub> )?				
	А	. CO <sub>2</sub>			В.	$C_6H_6$		
	C	CH₃OH			D.	CO		

#### SECTION PHYSICS



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1.	In N	Newton's rings exp	eriment	, the plano-o	convex l	ens	used should be of,		
	A.	Large focal length	R	lormal focal ength	C	2.	Small focal length	D.	None of the above
2.	No ms	other force acts o <sup>-1</sup> their centre of m come 3 ms <sup>-1</sup> , the ve	n them. ass has a elocity o	When the re a velocity of f their centr	elative ve 0.5 ms <sup>-1</sup> re of mas	eloo <sup>1</sup> ar	ch other under mutu city of approach of nd when the relative s 0.75 ms <sup>-1</sup> . Then The above staten	the tw veloc	vo particles is 2 city of approach
	C.	The velocity ch application of	-			D.	Velocity of centre in the given case	e of m	ass can change
3.		o converging lens	es each	of focal len	gth f are	e pl	aced in contact. Th	ne foc	al length of the
	Α.	3f	B. f		C	2.	2f	D.	f/2
4.		man leans over the istance, two secon	-			a r	ock upward at 21.0	6 m/s.	. Neglecting air
	A.	2.4 ms <sup>-1</sup>				В.	1.4 ms <sup>-1</sup>		
	C.	19.6 ms <sup>-1</sup>				D.	3.6 ms⁻¹		
5.	A b	aseball player bat	s a ball v	vith a force	of 1000	N. <sup>-</sup>	The reaction force	that t	he ball exerts
	aga	inst the bat is							
	A.	more than 1000 N	B. 1(	000 N	C.		less than 1000 N	D.	impossible to determine
6.		piece of silver and istance of	another	of germani	um are o	200	led from room tem	perati	ure to 80 K, the
	A.		ncrease	S		B.	Each of them dec	rease	S
	C.	silver increase decreases	s and ge	rmanium		D.	silver decreases a increases	ind ge	ermanium
7.	Wł	nich of the following	ng have	smaller way	ve-length	1.			
	Α.	radio waves	В.	x-rays	C.		Ultra-violet	D.	infra red
	In t	the radiation spec	trum, x-	rays lies ab	ove radio	o w	aves and light.		
8.	Th	e value of gravitat	ional con	nstant deper	nds upon	l			
	A.	gravitational c state of the ob		is independ	ent of ti	me	, size, temperature	, and	other physical
	Β.	gravitational c	onstant	depends the	e distano	ce k	between the object	S	



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	C. gravitational constant depends upon the size of the objects							
	D. gravitational constant depends upon the physical configuration of the objects							
9.	The magnitude of e.m.f. across the secondary of a transformer does not depend upon,							
	A. The number of turns in the primary B. The resistance of the primary and secondary							
	C. The magnitude of the e.m.f. applied D. The number of turns in the secondary across the primary							
10.	Electron in hydrogen atom jumps from higher orbit into fourth orbit. The set of line emitted is called,							
	A. Paschen series B. Lymen series C. Balmer series D. Bracket series							
11.	Wave length of radio waves is							
	A. Smaller than that of v-ray B. Smaller than that of ultraviolet ray							
	C. Greater than that of infra-red ray D. Smaller than that of infra-red ray							
12.	Maximum details of object can be seen by microscope when light used is of,							
	A. White light B. Short wavelength C. Large wavelength D. Any light							
13.	In order to catch a ball, a baseball player extends the hand forward before impact with the ball and then lets it ride backward in the direction of the ball's motion. Doing this he reduces the force of impact on the player's hand principally because the							
	time of relative A. impact is B. velocity is C. time of impact is decreased. D. force of impact is reduced.							
14.	Which of the following phenomenon confirmed the wave nature of electrons?							
	A. Compton effect B. Photoelectric effect							
	C. diffraction of electrons from crystals D. radioactivity							
15.	When two tuning forks of nearly the same frequencies are sounded beats produced							
	A. Do not travel at all C. Travel with a velocity less than that of sound							
	B. Travel with a velocity greater than that D. Travel with the velocity of sound							
16.	The natural direction of the heat flow between two reservoirs depends upon							
	A. Whether they are in solid, liquid state B. Their pressures							



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		C.	Their temper	ature	es difference	C	). Their heat o	contents	$\frown$		
17.		Trans	verse and long	gitudii	nal waves can be distir	nguishe	ed on the basis	of			
		A.	Refraction	B	Polarization	C.	Diffraction	D.	Interference		
18.		P-type	e semi-conduc	tor is	obtained by doping ge	ermani	um crystal with	1,	$\wedge$		
	Α.	Gold		В.	Silver	C.	Boron	D.	Arsenic		
19.		n photo electric effect, when light of frequency greater than the threshold frequency of the metal falls n the metal surface, the energy of the each omitted electron									
	A.	is the ener	-	y of p	hoton and threshold	В.	is equal to th	e threshold	energy.		
	C.				n energy of photon y of the metal.	D.	is unpredicta	ble.			
20.			es each of mag t of their resul		e 10 N make angles o s,	f 60 <sup>0</sup> a	nd 120 <sup>0</sup> with t	he axis. The	e magnitude of Y-		
	Α.	5 √3	-	В.	20 √3 N	C.	20 N	D.	10 √3 N		
21.	The	e ratio o	of the velocity	of so	und in hydrogen to the	veloc	ity of sound in	oxygen is,			
	Α.	8:1		В.	16:1	C.	4:1	D.	2:1		
22.		The electron emission take place through a hot metal surface at a relatively low temperature if the metal surface									
	A.	Has l	arge area	K 🦱	s heated Continuously	•	coated th Oxide D.	Has low	work function		
23.	-		one slowly, wh different amo		identical job is done o of	quickly	. Both jobs req	uire the san	ne amount of		
	Α.	effor	t	В.	power	C.	energy	D.	None		
24.	In f	orward	biasing of a H	-N ju	nction the barrier pote	ential o	f the junction,				
	Α.	Decr	eases	В.	Remains same	C.	Increases	D.	fluctuate		
25.			rface of Jupite ck would have		ere the acceleration de ss of about	ue to g	ravity is about	three times	s that of Earth, a		
	А.	300 H	(g	В.	600 Kg	C.	50 Kg	D.	100 Kg		
26.	The	e air bet	tween the lens	and tł	ne plate in Newton's rin	ng exp	eriment is repla	iced by wate	er. The ring pattern		
	A.	Rema	ains the same	В.	Expands	C.	Contracts	D.	None of the above		



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27.	A sin	nple arrangement	by mean	ns of which emf a	re coi	mpare	ed is known				
	Α.	Ohm meter	В.	Potentiometer		C.	Ammeter	D.	Pote	ntial divider	
28.		dy of mass m, pla ponent that balanc						ie grou	nd, mo	ves down. The	3
	Α.	mgSinθ	В.	mgCosθ		C.	mg Tanθ		D.	None	
29.		particles having then the ratio of r / R			g in a	a circl B.	e of radius R an $\sqrt{\frac{R}{r}}$	d r. If	their tìr	ne periods are	2
	C.	R / r				D.	1				
30.	A 11	0 Watt bulbs oper	rates on	220Vsupply. The	curre	ent flo	owing through th	e bulb	is		
	Α.	1 A				В.	2 A				
	C.	0.5 A				D.	0.25 A				
31.	Whe	re does a body we	eigh max	kimum?							
	Α.	at moon				В.	at Jupiter				
	C.	at the center	of the e	arth		D.	on the surface	e of the	e earth		
32.	-	rticle starts with in city, in two seconds					-	a straig	sht line v	with the same	
	Α.	20 ms <sup>-2</sup>			В.	10	) ms <sup>-2</sup>				
	C.	1 ms <sup>-2</sup>			D.	Ze	ro				
33.	The f	force that prevents	the rela	tive motion betwe	en th	e laye	ers of a liquid is ca	lled			
	Α.	Static friction			Β.	No	ormal reaction				
	C.	Contact friction			D.	vis	scosity				
34.		e period of oscilla vill be	tion of r	nass M suspende	d fror	n a sp	oring is 2 second	s, ther	n the pe	eriod of mass	
	А.	1 s		I	3.	4 s					
	C.	2 s		I	Э.	3 s					
35.	A wii	re of resistance is 1	ohm is	stretched to doubl	e its le	ength	. The resistance v	vill bec	ome		
	А.	1 ohm			В.	4	ohms				
	C.	2 ohms			D.	8	ohms				



36.		en a woman st		o feet on a	a scale,	the scale rea	ads 500 N. When she gently lifts one
	a. le	ess than 500 N	1.				
	b. m	nore than 500	N.				
	c. 50	00 N.					
	Α.	250 N			В.	400 N	
	C.	600 N			D.	500 N	
37.	Wh	ich of the foll	lowing quantities re	emains cor	nstant ir	n step dowr	n 100 % efficient transformer?
	Α.	Voltage					
	В.	Current				Ţ	
	C.	Power					
	D.	Heat					
38.	Whic	h of the follov	wing can be zero whe	en the part	icle is in	motion for s	some time?
	Α.	Speed			В.	Displacem	nent
	C.	Distance cov	vered		D.	none of th	iese
39.	A tr	ansformer ha	as $\frac{N_2}{N_1} = 10$ , the load	d current	is 10 A †	the current	in primary is
	A.	10 A		В.	1 A		
	C.	200 A		D.	100 A		
40.	The	speed of ligh	nt in vacuum is 3 $ imes$	10 <sup>8</sup> ms <sup>-1</sup> . I	Its spee	d in a mediı	um of refractive index 2 will be
	A.	$6.5 \times 10^{8}$	V	В.	1.5 ×	10 <sup>8</sup> ms <sup>-1</sup>	
	C.	$4.5 \times 10^{8}$	cm	D.	5.5 × 2	10 <sup>8</sup>	
Sect	ion Ma	ath					
1.		$\frac{\lim}{x \to 0} \frac{\sin x  mx}{\tan x  nx}$	- = 1				
		A. $\frac{n}{2}$					
		m m					
		B. $\frac{1}{n}$	-				
		C. m	n				



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The derivative of  $6x^3$  10 rt  $6x^3$  is

- A. 8x<sup>2</sup>
- B. 6x<sup>2</sup>
- C. 1
- D. 6

3.

2.

If the sum of roots of the equation  $x^2 + Px q = 0$  is three times the difference of the roots then

- A. 1p<sup>2</sup> = 2q
- B. 2q<sup>2</sup> = 9p
- C. 2p<sup>2</sup> = 9q
- D. 9q<sup>2</sup> = 2p

4.

5.

 $\frac{501}{2} + \frac{502}{2} + \frac{503}{2} + \frac{504}{2}$ 

- A. 1 B. -1
- C. 0
- С.

27+9+5

C.

D.

D.

The 9<sup>th</sup> term of the series

10 17 16

27

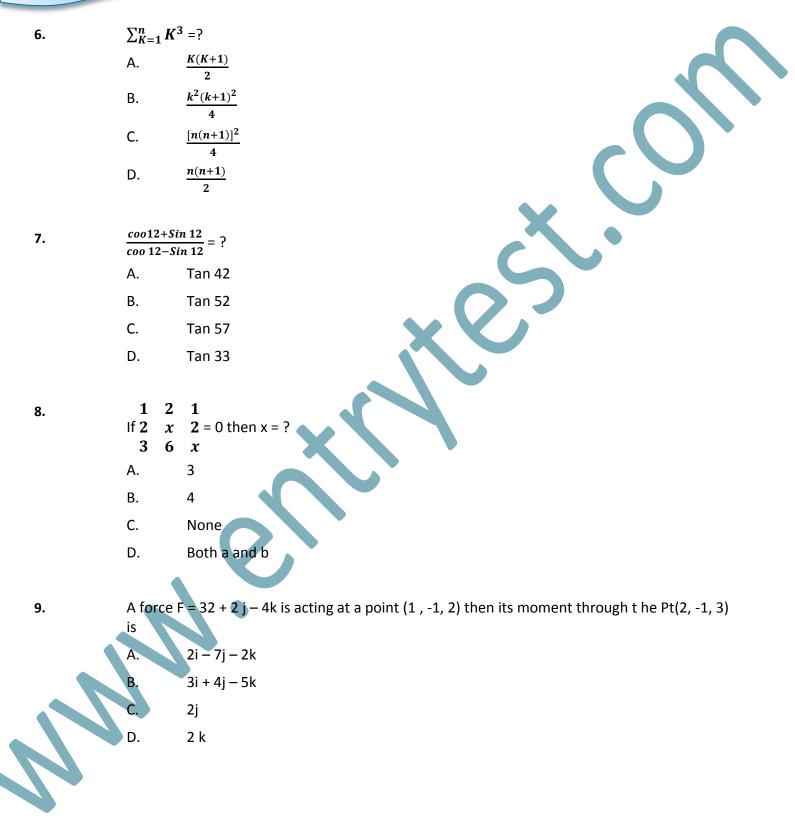
 $\frac{17}{27}$ 

. Is

-2



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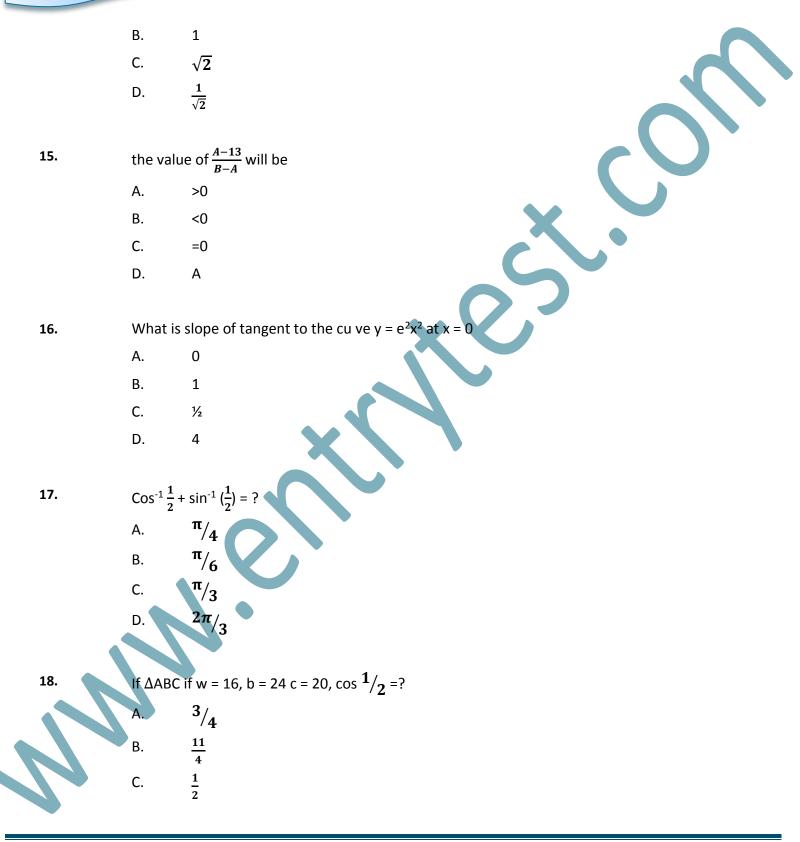


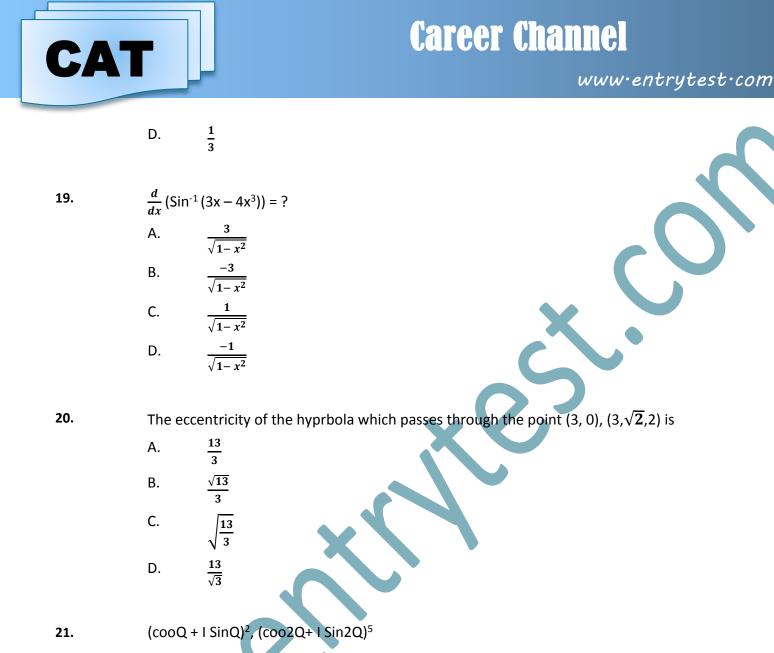
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10.	$\int \frac{\sqrt{Ta}}{\sin x}$	$\frac{nx}{Cosx}$ dx = ?
	A.	$2\sqrt{secx+c}$
	В.	$2\sqrt{Tanx+c}$
	C.	$\frac{2}{\sqrt{Tanx}}$ + C
	D.	$\frac{2}{\sqrt{Secx}}$ + C
11.	Which	of the following does not represent hyperbola?
11.	A.	xy = 1
		$x^{2} - y^{2} = 5$
		(x-1) (y-1) = 3
		$x^2 - y^2 = 0$
	51	
12.	The pe	riod of tan 3Q = ?
	A.	2π
	В.	$\frac{2\pi}{3}$
	C.	$\pi_{/3}$
	D.	π
13.	Which	of the following is not true
13.	A.	Sin $x = -1/5$
	В.	Cosx = 1
	с.	Sec $x = \frac{1}{2}$
	D.	Tan 20
14.	Cos 10	5 + sin 105 = ?
	A.	$\frac{1}{2}$
		2



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- A.  $(coo2Q + i Sin2Q)^6$
- B. (coo10Q + i Sin10Q)<sup>6</sup>
- C. Coo7Q +1 Sin 7Q
  - None

D.

22

The 9<sup>th</sup> t erm of the series

127+9+5+
$$\frac{5}{2}$$
+ ..... is  
A.  $1\frac{10}{17}$ 

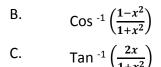


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	В.	$\frac{10}{17}$
	C.	$\frac{16}{27}$
	D.	$\frac{17}{27}$
23.	Three d	ive are rolled simultaneously and then find the probability that the sum is greater than
	A.	$\frac{3}{216}$
	В.	$\frac{52}{53}$
	C.	<u>53</u> 54
	D.	$\frac{13}{216}$
24.		a b/w y = 4Sinx from to $\pi$ is
	Α.	1
	B.	2
	C.	4
	D.	8
25.	$ f  \left  \frac{>}{a} \right  = 2$	$\frac{2}{b} = 5, \frac{2}{a} \times \frac{2}{b} = 8 \text{ then } \frac{2}{a}, \frac{2}{b} = ?$
	A. (	16
	В.	20
	C.	-16
	D.	6
26.	Which o	of the following is not value of 2tan
	<sup>-1</sup> x=?	
	Α.	$\sin^{-1}\left(\frac{2x}{1+x^2}\right)$



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D. Tan 
$$^{-1}\left(\frac{2x}{1-x^2}\right)$$

27.

One root of the equation  $2^{x^2} - 10, 2^x + 16 = 0$  is A. 1 B. 0

- C. -1
- -
- D. 2

**28.** For y = x ex the point

- A. x= -1minimum
- B. x= -1 is a maximum
- C. x= 0 is a minimum
- D. x= 0 is max
- 29.

 $\frac{d}{dx}(\log_{a} x) = ?$ A.  $a^{x} l$ na

Β.

C. D.

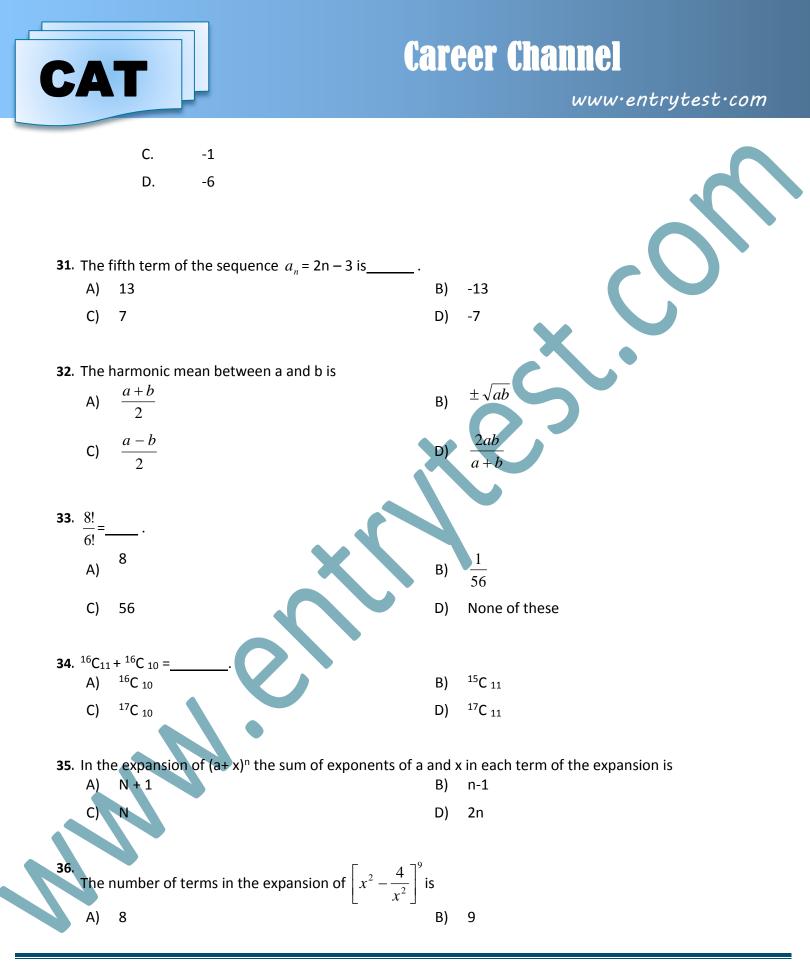
Β.

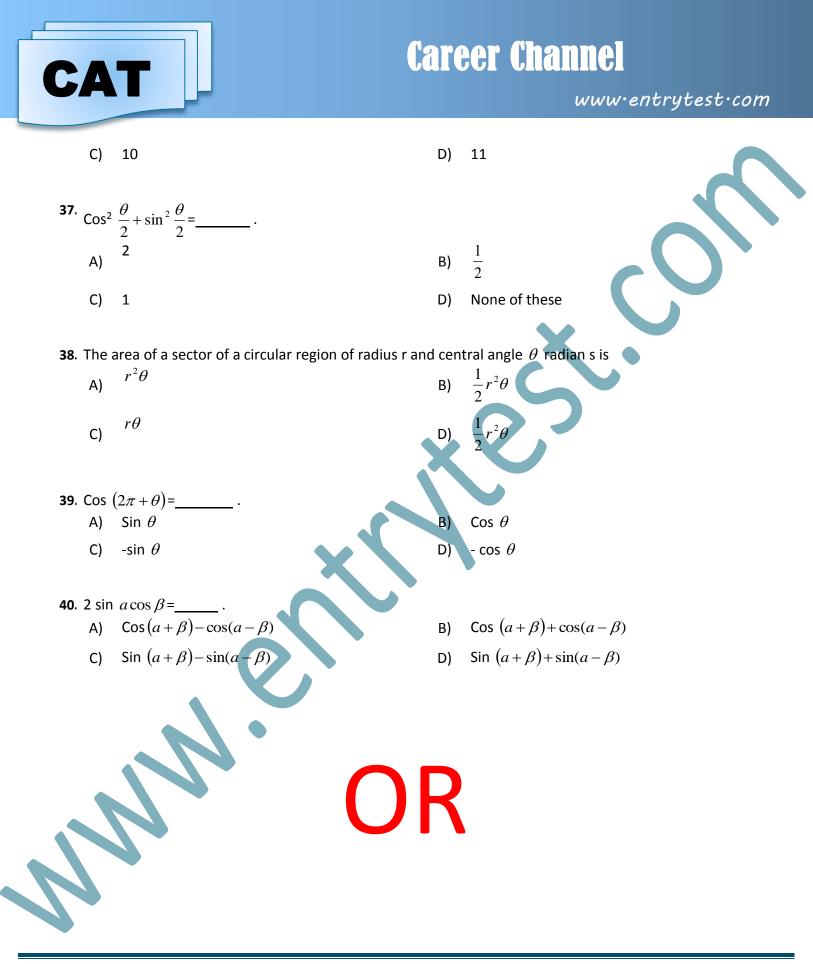
1

cl na

$$\int \frac{x \ln 10}{\int f(x) = 3x2 - 1 \text{ then } \frac{\lim_{x \to 1} \frac{f(x) - f(1)}{x - 1} = ? }{A. \quad 6x}$$

6







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#### **Section Biology** 1. A largest community primarily determined by climate is a Ecosystem **Biodiversity** A) B) C) Biome D) Diversity 2. The molecules with high molecular weight such as starch and proteins are A) Micromolecules B) Macromolecules C) D) Organic molecules Inorganic molecules 3. If a theory is continuously supported by experimental evidence it becomes a B) Theory A) Law C) Hypotheses D) Scientific law 4. The most abundant compound in all organisms is Carbohydrate A) Protein B) C) Water D) Lipid 5. The compound that has tow amino acid sub- units is called A) Polypeptide Peptide B C) Dipeptide D) None of these 6. The poisons, antibodies and anti-metabolites are examples of A) Coenzymes B) **Prosthetic groups** C) D) Activators Inhibitors 7. The soluble part of the cytoplasm is called A) Cytosol B) Suspension Collide C) D) True solution The flattened vesicles in chloroplasts that arrange themselves to form Grana and intergrana are called 8. A) Thylakoids B) Grana Stroma C) D) Cisternae 9 The assembly and disassembly of the spindle structure during mitosis is the role of Microtubules A) Microfilaments B) Intermediate filaments C) D) All these

10 Which of the following is considered self – replicating organelle?



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	A)	Ribosomes	B)	Lysosomes
	C)	Mitochondria	D)	Leucoplasts
11	A Bact	eriophages reproduces by using the metabolic machinery of	ofbac	teria celli i e chromosomes and
11	A bact	Mitochondria	B)	Cell membrane
	C)	Ribosomes	D)	Golgi bodies
12		all is absent in one of the following bacteria.		
	A)	Escherichia coli	B)	Mycoplasma
	C)	Pseudomonas	D)	Spirochete
13	Bacter	ia lack		
10	A)	Mitosis	B)	Cell division
	C)	Traditional sexual reproduction	D)	All these
14	Trypa	nsoma is transmitted by the bite of infected		
	A)	House fly	B)	Mosquito
	C)	Tsetse fly	D)	All these
4 -	<b>F</b>	I humber that are in the form of an element of the line of the		
15		I hyphae that are in the form of an elongated multinucleate		
	A)	Septate	B)	Aseptate
	C)	Coenocytic	D)	Multinucleate
16	An asc	cus is to ascomycetes as is a to basidiomycetes		
	A)	Basidiospore	B)	Basidicarp
	C)	Basidium	D)	Haustorium
17	The lo	ose smut of wheat is caused by		
1/	A)	Puccinia	B)	Ustilago
	C)	Fusarium	D)	Morchella
	,			
18	A sma	Il outgrowth present on the upper isde of leaves of leaves of	of spo	rophylls near the base in selaginella is
	A)	Ligule	B)	Prophyll
	C)	Microphyll	D)	Megaphyll
19	When	the frond is immature and young it is coiled. This pattern of	of deve	elopment is called circinate
	A)	Venation	B)	Vernation
	C)	Phyllotaxis	D)	Aestivation



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20	Doubl	e fertilization is characteristics of which of the following									
	A)	Thallophytes	B)	Embryophytes							
	C)	Spermatophytes	D)	Angiosperms							
21	A gela	itinous layer present between the body wall layers of the sp	oonge	s is							
	A)	Mesenchyme	B)	Mesoderm							
	C)	Mesogloea	D)	Mesenchyma							
22	Whick	n of the following is host for liver fluke?									
	A)	Snail	B)	Sheep							
	C)	Man	D)	All these							
<b>n</b> n	23 A group of ancient fish that modified their breathing system and developed lungs to adapt to terrestrial mode of life is										
25	A)	Pisces	B)	Dipnoi							
	C)	Varanope	_, D)	Cotylsaurs							
	C)	varanope		Cotyliadits							
24.	24. The group of mammal that form connecting link between reptiles an mammals is										
	A)	Prototheria	В)	Metatheria							
	C)	Eutheria	D)	None							
25	Which	n of the following chlorophylls is most abundant and takes p	oart di	rectly, in the light reaction of photosynthesis?							
23	A)	Chlorophylls a	B)	Chlorophylls b							
	C)	Chlorophylls c	D)	Bacteriochlorophyll							
	-		-								
26		rocess that uses membranes to couple redox reactions to A		zduction is known as Z – Scheme							
	A)	Photosystem	B)								
	C)	Chemosmosis	D)	Glycolysis							
27	The p	roducts of light reactions ATP and NADPH are used in which	n of th	e following phases of Calvin cycle.							
	A)	Carbon fixation	B)	Reduction							
	C)	Regeneration of RuBP	D)	All these							
28	Digest	tive system in man is associated with which of the following	g gland	ds.							
20	A)	Salivary glands	B)	Liver							
	C)	Pancreas	D)	All these							
29		d sac that project from the large intestine between ileum a									
	A)	Caecum	B)	Jejunum							
	C)	Rectum	D)	Appendix							



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30		ycoiate produced during photorespiration enters			
	A)	Mitochondria	B)	Ribosomes	
	C)	Peroxisomes	D)	Glyoxysomes	
31	31 The pulmonary disorder associated with breakdown of alveoli is referred to as				
	A)	Cancer	B)	Tuberculosis	
	C)	Asthma	D)	Emphysema	
32	2 One of the following is considered to act as multisensory hydraulic valves and respond to environment stimuli.				
	A)	Stomata	B)	Guard cells	
	C)	Lenticels	D)	Hydathodes	
33		pryonic life blood cells are formed in the	<b>D</b> )		
	A)	Bone marrow	B)	Liver	
	C)	Spleen	D)	Liver and spleen	
34	34 One of the following phenomenon is responsible for the loss of liquid water through water secreting glands or				
	Hydat	hodes			
	A)	Bleeding	B)	Gutlation	
	C)	Transportation	D)	Imbibition	
35	Which of the following type of cells are produced by the spleen thymus tonsils and adenoids				
	A)	Platelets	B)	Agraulocytes	
	C)	Erythrocytes	D)	Lymphocytes	
36					
	A)	Osmoregulation	B)	Excretion	
	C)	Pyrexia	D)	Regulation strategies	
27	7 The excretory structures in animal kingdom that are associated with digestive tract are				
57	A)	Nephridia	B)	Malpighian tubules	
	C)	Flame cells	D)	Nephrons	
	,		,		
38					
	A)	Sweet	B)	Saliva	
	C)	Urine	D)	Saliva and urine	
20	39 Nutation is because of				
	A)	Growth on opposite side of contact	B)	Alternate changes in growth	



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- C) Loss of turgor in the cells of pulvinus
- 40 Epinasty is because of
  - A) Auxins
  - C) Abcissic acid

- D) Movement of K ions from the cells of pulvinus
- B) Gibberellins
- D) Ethylene

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