

CEE MODEL ENTRANCE EXAM

(SET-6)

Instructions:

- There are 200 multiple-choice questions, each having four choices of which only one choice is correct.
- Fill (●) the most appropriate one.

Date: 2081/10/05 (Jan 18)

Duration: 3 hours **Time**: 7 A.M. – 10 A.M.

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1				
1.		not be further decomposed	•	
_	(a) Water	(b) Air	(c) Sugar	(d) Silver
2.		ving pairs of compounds i		
	(a) H_2S and SO_2	• /	(c) FeCl ₂ and FeCl ₃	(d) CuO and Cu ₂ O
3.	Vapour density of a vol	latile substance is 4 ($CH_4 =$	1). Its molecular weight	would be
	(a) 2	(b) 8	(c) 64	(d) 128
4.	90 g of water contains h	ow many moles?		
	(a) 6.02×10^{23}	(b) 90	(c) 5	(d) 1
5.	The equivalent mass of	a certain bivalent metal is	20. The molecular mass	of its anhydrous chloride is
	(a) 111	(b) 91	(c) 55.5	(d) 45.5
6.	• •	CuSO ₄ .5H ₂ O is required fo	. ,	when titrated with KI?
	(a) 2.5 g	-	(c) 4.99 g	(d) 1.2 g
7.		$6iO_3 + 6H^+ + xe^-$		
	(a) 2	(b) 6	(c) 3	(d) 4
8.		· /	• •	completely 1L of propane gas (C ₃ H ₈) measured
0.	under the same condition		1 atm. is needed to burn	completely 1L of propane gas (C3H8) measured
			(a) 7I	(A) (I
0	(a) 5L	(b) 10L	(c) 7L	(d) 6L
9.		number n = 4, the total num	· ·	
	(a) 3	(b) 7	(c) 5	(d) 9
10.	The energy of the electr	ron in the hydrogen atom i	s given by the expression	n
	(a) $-\frac{e^2}{7^2}$	(b) $-\frac{n^2h^2}{2\pi^2Z^2e^4m}$	(c) $-\frac{2\pi^2Z^2e^4m}{n^2h^2}$	$(d)\frac{nh}{2\pi}$
	(a) - Z2	$(b) = 2\pi^2 Z^2 e^4 m$	n^2h^2	(α) 2π
11.	75% of a first-order read	ction was completed in 32	minutes. When was 50%?	?
	(a) 24 minutes	(b) 16 minutes	(c) 8 minutes	(d) 4 minutes
12.	Hybridization in SO ₂ is			
	(a) sp	(b) sp^2	(c) sp ³	(d) dsp^2
13.		s in water to give NH ₄ OH.		
	(a) An acid	(b) A base	(c) A salt	(d) A conjugate base
14.	$In C + H_2O \longrightarrow CO$	$O + H_2$, H_2O acts as	(1) = 1 ·	
	(a) Oxidizing agent		(b) Reducing agent	
. -	(c) Both oxidizing as we		(d) Neither oxidizing nor	
15.		2SO ₄ solution is required to		
16	(a) 2.5 ml	(b) 5.0 ml	(c) 10.01 ml	(d) 20.0 ml
16.		of the reaction is equal to	(b) Thurshald an array + D	Consumer of the assessments
	(a) Threshold energy for		(b) Threshold energy + E	
17	(c) Threshold energy – F		(d) Threshold energy + E	energy of product
17.	20 litres of hydrogen ga		(a) 1 Q a	(d) 20 a
18.	(a) 12.2 g	(b) 44.8 g formed by mixing 20 ml of	(c) 1.8 g	(d) 20 g l of 0.45M NaOH at 298 K is
10.	(a) 6	(b) 2	(c) 12	(d) 7
19.		reversible reaction is to	(c) 12	(u) 7
17.	(a) increase the rate of fo		(b) decrease the rate	
	(c) alter the equilibrium		(d) allow equilibrium to	be achieved quickly
20.		s for the manufacture of H		
	(a) Mo	(b) Fe	(c) Ni	(d) Pt
21.		of iron by Zn coating is ca		
	(a) Galvanization	, 0	(b) Cathodic protection	
	(c) Electrolysis		(d) Photo electrolysis	
22.	Elements of zinc group	(Zn, Cd, Hg) are called	•	
	(a) Noble metals	(b) Coinage metals	(c) Volatile metals	(d) Precious metals
23.	Hydrogen can't be prod	luced by the action of dil. l	H ₂ SO ₄ on	
	(a) Cu	(b) Zn	(c) Fe	(d) Al
24.		could act as a propellent f		
	(a) liquid hydrogen + lic		(b) liquid oxygen + liquid	
	(c) liquid hydrogen + liq		(d) liquid nitrogen + liqu	iid oxygen
25.	Calcination and roastin	g are carried out in		
	(a) Blast furnace		(b) Muffle furnace	
	(c) reverberatory furnac		d) open hearth furnace	
26.				
	(a) reduce it		(b) oxidize it	
25	(c) obtain an alloy		(d) separate volatile imp	urity
27.	Cassiterite is an ore of	(In) Co.	(a) C:	(4) C-
26	(a) Sn	(b) Cu	(c) Si	(d) Ca
28.	The reaction of water w		(a) Rozzoroible	(d) yory low
	(a) Endothermic	(b) Exothermic	(c) Reversible	(d) very low

29.	The pair whose both s	pecies are used in antacid n	nedicinal preparation is	
	(a) NaHCO ₃ and Mg(O		(b) Na ₂ CO ₃ and Ca(HCO	
	(c) Ca(HCO ₃) ₂ and Mg(OH) ₂	(d) Ca(OH) ₂ and NaHCC	\mathcal{D}_3
30.	Alumina (Al ₂ O ₃) is			
	(a) Acidic	(b) Basic	(c) Amphoteric	(d) Neutral
31.	Semi-water gas is a mi			
	(a) CO, H_2 and CO_2	(b) CO, H_2 and N_2	(c) CO_2 , N_2 and H_2	(d) N ₂ , CO and coal gas
32.	-	g compounds is used in silv		
	(a) NaOH	(b) AgNO ₃	(c) Ag_2S	(d) AgBr
33.		o immiscible liquids is giv		eparated by using a
	(a) Fractionating colum		(b) Separating funnel	
	(c) Vacuum distillation		(d) Steam distillation	
34.	A compound which do	es not give positive test for		
	(a) Urea	(b) Azobenzene	(c) Glycine	(d) Phenyl hydrazine
35.		l contains 40% C, 6.66% H	and rest oxygen. Its va	pour density is 30. What will be its empirical
	formula?			
	(a) CHO	(b) CH ₂ O	(c) C_2H_2O	(d) CH ₄ O
36.	IUPAC name of the Cl	₃C.CHO is		
	(a) Chloral		(b) Trichloroacetaldehyd	e
	(c) 1, 1, 1 - Trichloroeth	anal	(d) 2, 2, 2 - Trichloroetha	nal
37.	In CH ₃ CH ₂ OH the bon	d that undergoes heterolyt	ic cleavage most readily i	is
	(a) C – C	(b) C − O	(c) C – H	(d) O - H
38.	Resonance structure of	molecule does not have		
	(a) identical arrangeme	nt of atoms	(b) nearly the same energ	gy content
	(c) the same number of		(d) identical bonding	
39.	Among the following,		. ,	
	(a) CICH ₂ COOH	(b) CH₃COOH	(c) Cl ₂ CHCOOH	(d) Cl ₂ CHCH ₂ COOH
40.	Solid CH ₄ is	(-) - 3	(-) - 2	(-) - 2 2
	(a) Molecular solid	(b) Ionic solid	(c) Covalent solid	(d) Does not exist
41.		calcium carbide reacts with		(a) December that
	(a) C_2D_2	(b) CaD ₂	(c) Ca ₂ D ₂ O	(d) CD_2
42.	` /	with a mixture of conc. HN		
74.	(a) Nitrobenzene	(b) m-Dinitrobenzene	(c) p-Dinitrobenzene	(d) o-Dinitrobenzene
42	` '	` '		(d) 0-Dillitioberizerie
43.		emization takes place. It is		. Cara
	(a) inversion of configu		(b) retention of configura	
	(c) conversion of config		(d) inversion and retention	on of configuration
44.	Chloropicrin is obtaine		a	
	(a) steam on carbon tetr		(b) nitric acid on chlorob	
	(c) chlorine on picric ac		(d) nitric acid on chlorofo	orm
45.		arch to give alcohol occurs		
	(a) O ₂	(b) Air	(c) CO ₂	(d) Enzyme
46.				ducts. This confirms the presence of
	(a) two ethylenic doubl	e bonds	(b) a vinyl group	
	(c) an isopropyl group		(d) an acetylenic group	
47.	Which compound does	s not undergo Cannizzaro c	ondensation?	
	(a) Methanal	(b) Phenyl methanal	(c) 2,2-Dimethylbutanal	(d) Phenyl ethanal
48.	Carboxylic acids are m	ore acidic than phenol and	alcohol because of	
	(a) intermolecular hydr	ogen bonding	(b) formation of dimers	
	(c) highly acidic hydrog	gen	(d) resonance stabilization	on of their conjugate base
49.		onverted into Hydrazobenz		, ,
	(a) Zn and HCl	(b) Zn and alc. NaOH	(c) Zn and aq. NaOH	(d) NH ₂ NH ₂ and alc. KOH
50.		wing is the reagent used to		(1) 1 2 1 2 1 1 1 1
	(a) Neutral ferric chlori		(b) Chloroform and alc. I	KOH
	(c) Ammoniacal silver r		(d) Sodium ethoxide	
51.		ectors is unit vector, find th		
01.				(4) 7200
	(a) 1	(b) $\sqrt{2}$	$(c)\sqrt{3}$	(d) Zero
52.		ue north, 20 m due east and	d 30√2 due south west. T	The displacement covered by the body from its
	initial position is			
	(a) 14m S-W	(b) 28 m south	(c) 10 m west	(d) 18 m south
53.		s with constant power P, th	ne relation between veloc	ity and time will be
	(a) $v \propto t^{1/2}$	(b) $v \propto t^{3/2}$	(c) $v \propto t^2$	(d) $\mathbf{v} \propto \mathbf{t}$
54.				acks of radii R ₁ and R ₂ such that these vehicles
		on in equal time, then the ra		
	(a) 1:1	(b) R ₁ : R ₂	(c) R ₂ : R ₁	(d) $R_1^2: R_2^2$
55.				its gravity? (in the equator)
	(a) will increase	(b) will decrease	(c) remain same	(d) cannot be said
	· /	` /	` '	· /

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56.	If no external force is (a) zero	applied in a body, the vel (b) increases	ocity of the centre of m (c) decreases	(d) remain constant
57.	A particle is vibrating kinetic and half poten	simple harmonically with		displacement of the particle when its energy is half
	(a) a/2	(b) $a/\sqrt{2}$	(c) a/4	(d) zero
58.	A metallic bar is heate			neither expand nor bend, then the force developed
	is (a) F ∝ ℓ	(b) $F \propto \ell^{-1}$	(c) $F \propto \ell^{\circ}$	(d) $F \propto A^{-1}$
59.	` '	er enable grease to be rem	• •	
	(a) decreasing the dens(c) decreasing the conta	sity of the liquid		nperature of the liquid te tension
60.	One poise is equal to			
	(a) $\frac{1\text{Ns}}{\text{m}^2}$	(b) $\frac{10 \text{Ns}}{\text{m}^2}$	(c) $\frac{0.1 \text{Ns}}{\text{m}^2}$	(d) $\frac{0.01 \text{Ns}}{\text{m}^2}$
61.	Centigrade and Fahre	enheit thermometers are	dipped in boiling wa	nter. The water temperature is lowered until the
	Fahrenheit thermomet	ter registers 140°F. The fal	I in temperature in the	centigrade scale
	(a) 25°C	(b) 30°C	(c) 35°C	(d) 40°C
62.	The brass disc fits tigh	ntly in a hole in a steel pla		
	(a) heat the system		(c) apply strong force	
63.				st when the relative humidity is
	(a) 99%	(b) 50%	(c) 30%	(d) 10%
64 .				ased to 2n, the pressure of the gas will
-	(a) become half	(b) become 4 times	(c) remain unchange	
65.				ratio 1:400. What is the ratio of their temperature?
	(a) 200: 1	(b) 400: 1	(c) 1: 200	(d) 1: 400
66.	Internal energy of an i		(1)	
	(a) volume and temper	rature	(b) pressure and tem	
	(c) volume only		(d) temperature only	
67.	_			ay produced by the mirror is
60	(a) θ	(b) 20	(c) 30	(d) 40
68.	A light ray is passed f	rom one medium of KI (n	i) to another medium of	f RI (n ₂) as shown in fig. Then
	ļ			
	n_1 n_2			
	(a) $n_1 > n_2$	(b) $n_1 < n_2$	(c) $n_1 = n_2$	(d) There is no relation between n_1 and n_2
69.	` /	• /	. ,	a refractive index $\sqrt{2}$ for which it gives minimum
09.	deviation?			,
	(a) 60°	(b) 45°	(c) 90°	(d) 30°
70.		ll length F_1 is placed in c	contact with a concave	lens of focal length F2. The combination will act
	convergent lens if			
	(a) $F_1 < F_2$	(b) $F_1 > F_2$	(c) $F_1 = F_2$	(d) $F_1 > F_2$
71.	Resolving power of th		() = 1=0	(1) - (2.22)
	(a) 342	(b) 1/342	(c) 3420	(d) 1/3420
72.		is performed inside water		
70	(a) decrease	(b) remain same	(c) increase	(d) cannot be said
73.		ich is only associated with		(1) D (
	(a) Diffraction	(b) Polarization	(c) Interference	(d) Refraction
74.				on superposition, produce a resultant disturbance
	-	e, the waves differ in phas	•	(1)
	(a) π	(b) $2\pi/3$	(c) π/3	(d) zero
<i>7</i> 5.	A resonating column of		(1)	
	(a) stationary longitud		(b) stationary transve	
76	(c) transverse progress		(d) longitudinal prog	
76.		gth of the light from a star	moving from the Earth	lpha is $0.4%$ more than its real wavelength. The velocity
	of the star is	(L) 1E 1 /	(a) 100 1 ··· /	(4) 20 1 / 222
	(a) 150 km/sec	(b) 15 km/sec	(c) 120 km/sec	(d) 30 km/sec
77.		s between two small sph	eres cnarged to consta	nt potentials in air and in a medium of dielectric
	constant K is	(I-) I/ 1	(-) 1 I/2	/ J\ I/2 1
= C	(a) 1 : K	(b) K:1	(c) 1 : K ²	(d) K ² : 1
78.		nd 2µF are charged to 300	JV and 150V respective	ely and connected by a wire. The potential of the
	connected system is	(I-) 10EV	(-) 100V	(1) 2001
	(a) 166V	(b) 185V	(c) 133V	(d) 200V

79.	Figure represents a par	t of a closed circuit. The p.	d between points A and l	$B(V_A - V_B)$ is
$2A$ 2Ω $3V$ 1Ω				
	A	—		
	(a) +9V	(b) -9V	(c) +3v	(d) +6V
80.	-	the length of the coil is ha		
04	(a) less time	(b) more time	(c) same time	(d) cannot be compared
81.	Thomson's effect is not (a) Antimony	(b) Iron	(c) Lead	(d) Tin
82.		• /	• ,	The necessary stunt required is
	(a) 0.1Ω	(b) 0.01Ω	(c) 0.9Ω	(d) 1Ω
83.	Magnetic meridian is a	, ,	•	
0.4	(a) Point source	(b) Horizontal plane	(c) Vertical plane	(d) A line directed from N–S
84.	An electron moving up electron will be	pwards vertically enters a	uniform magnetic field	directed towards the north. The force on the
	(a) north	(b) east	(c) west	(d) south
85.				ber of turns in the ratio of 1:2. The ratio of self-
	inductance of two soler		() - 1	
06	(a) 1:1	(b) 1:2	(c) 2:1	(d) 1:4
86.	(a) 5Ω	(b) 10Ω	(c) 2.5Ω	to 100Hz. The new reactance is (d) 125Ω
87.	. ,	eries RL circuit is 0.5. If R	` /	
0				
	(a) $\frac{\sqrt{3}}{\pi}$	(b) πH	(c) $\sqrt{2\pi}$ H	$(d)\frac{4\pi}{\sqrt{2}}H$
88.	Cathode rays are produ	ced when the pressure in t	the discharge tube is of th	he order
	(a) 76 cm of Hg	(b) 10-6 cm of Hg	(c) 1 cm of Hg	(d) 10-2 - 10-3 mm of Hg
89.		•		e ratio of final velocity attained by them
	(a) $\sqrt{2}:1$	(b) 1:1	(c) $1:\sqrt{2}$	(d) 1:2
90.	X-rays of wavelength 3 (a) 10 Hz	A have a frequency of (b) 1018 Hz	(c) $3 \times 10^4 \text{Hz}$	(d) 10 ² Hz
91.		the Lyman series falls in t		(u) 10-11Z
	(a) Visible	(b) Infrared	(c) Ultraviolet	(d) Far infrared
92.		pactive substance of initial	mass is left after 4 days	
	(a) $\frac{N_0}{\sqrt{2}}$	(b) $\frac{N_0}{2}$	(c) N ₀	(d) $\frac{N_0}{4}$
02	N .	_	• •	· / 4
93.	(a) 0.01%	nverted into energy is abo (b) 0.1%	(c) 1%	(d) 10%
94.	Positron has	(b) 0.170	(c) 170	(d) 10 %
	(a) no charge and spin		(b) some mass and some	
o=	(c) no mass and spin	1 4 771 1 14	(d) some mass but no cha	arge
95.	Two photons approach	each other. Their relative	. *	
	(a) 2c	(b) c	(c) $\frac{c}{2}$	(d) zero
96.	If the rest mass of a par	ticle is m _o , then its mass w	hen it moves with veloci	ity 0.8c is
	(a) $\frac{6}{5}$ m _o	(b) 2 m _o	(c) $\frac{3}{2}$ m _o	(d) $\frac{5}{3}$ m _o
07	•		_	(4) 3 110
97.	(a) OR gate	gates are shorted. This gate (b) AND gate	(c) NOT gate	(d) NOR gate
98.				and 200V respectively the current is I_1 and I_2
	respectively. The ratio			- ,
	(a) $\frac{\sqrt{2}}{4}$	(b) $2\sqrt{2}$	(c) 2	(d) 1/2
	` ′ 4	• •	• •	
99.	In an NPN transistor, $t_{\rm I}$ (a) $I_{\rm E} = 1 \text{mA}$	he collector current is $10m_A$ $I_B = 11mA$	A. If 90% of the electrons (b) $I_E = 11 \text{mA}$	emitted reach the collector; then I _B = 1mA
	(a) $I_E = 1mA$	$I_B = 9mA$	(d) $I_E = 9mA$	$I_B = 1mA$ $I_B = 1mA$
100.		ctor formed by doping triv		
	(a) n-type	(b) p-type	(c) n-p-n type	(d) p-n-p type
101.	Study of treatment of o		(a) A = aia1a ===	(4) On solo ma
102.	(a) Aceology Pyorrhoea is caused by	(b) Audiology	(c) Angiology	(d) Oncology
104.	(a) Entamoeba coli	(b) E. gingivalis	(c) E. histolytica	(d) Escherian coli
103.	Maurer's dot is produce	ed by	,	
464	(a) P. vivax	(b) P. ovalae	(c) P. malariae d) P. falcip	parum
104.	Idochromatin in <i>Param</i> (a) Nucleus	(b) micronucleus	(c) macronucleus	(d) cytopyge
	(a) i vacicus	(~) mucromucicus	(c) macromacicus	(a) c) whise

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105.	Which period is known	for the origin of amphibia	nns?	
100.		(b) Ordovician		(d) Devonian
106.		gan, which is vestigial in		(a) Devoluti
100.		(b) Canine		(d) Molar
107.	The ancestral man who		(c) I Telliolai	(a) Wolai
107.		(b) Handy	(c) Noandarthal	(d) cro magnon
100				(d) cro-magnon
108.		s are found in Leucosolenia		(d) all of them
100		(b) siliceous spicules	(c) calcareous spicules	(d) all of them
109.	Which type of digestion	occurs in Hyara is	(1) 1	
	(a) Extra cellular	11 1	(b) Intracellular	11 1
440	(c) extracellular then intr		(d) intracellular then extr	acellular
110.	Neuron in earthworm is		() 1	(1)
		(b) motor	(c) adjuster	(d) unipolar.
111.	In earthworm chromoph	-		
	\ <i>\</i>	(b) mucin	(c) proteolytic enzyme	(d) amylase
112.	Cockroach is			
		(b) uricotelic	(c) ammonotelic	(d) aminotelic
113.		al cords are found in frog?		
		(b) 1	(c) 3	(d) 4
114.	Gastrulation process nev	ver complete without		
	(a) Epiboly	(b) invagination	(c) involution	(d) rotation
115.	Which type of migration	n occurs in Eel Fish?		
	(a) Catadromous	(b) Anadromous	(c) Occeanodromous	(d) Potamodromous
116.	Which type of adaptatio	n occurs in Exocoetus?		
	(a) Aquatic	(b) Volant	(c) both a and b	(d) arboreal
117.		y setae with muscle and co		ent in all segment except 1st, last and clitellum
		surface. By which cell, seta		
	(a) Chloragogen cell	•	(b) Trichogen cell	
	(c) Blood gland cell		(d) Setae forming cell.	
118.	Chill- chill fever is cause	ed due to release of	()	
	(a) Trophozoites		(b) Cryptozoites	
	(c) micro-meta cryptozoi	tes	(d) Merozoites	
119.		ter part of prostate gland		
				(d) Graafian follicles
120.		glands are modified form		(a) Similar remeres
1_0.		(b) Sebaceous glands		(d) Meibomian glands
121.	Vermiform appendix is		(c) Thy mas Granas	(a) 11212 on aver grantes
121,		(b) Digestive System	(c) Vascular System	(d) Reproductive System
122.	The endocrine part of th		(c) vuscular system	(a) Reproductive System
122.	(a) Crypts of Lieberkuhm		(b) Islets of Langerhans	
	(c) Payer's patches		(d) Acini	
123.	Where does fertilization	take place in human beir	105?	
120.		(b) Vaginal	O .	(d) Fallopian tubes
124.	Zymogen cells of gastric		(c) Ovary	(d) Talloplan tabes
144.		(b) Chemotrypsin	(c) Amylase	(d) Trypsin
125.		icular aperture in mamma		(d) Hypsin
123.	_	(b) Spiral Valve		(d) Tricuspid Valve
126.	Rete testis in man is a pa	· / -	(c) Seminumar varve	(a) Theaspia vaive
120.	(a) Seminiferous tubules		(c) Epididymis	(d) Vac deference
127			(c) Epididyillis	(d) Vas deferens
127.	Reflex action is exhibite	d by	(b) Autonomia Namous C	Stratom
	(a) Brain		(b) Autonomic Nervous S	
100	(c) Spinal Cord		(d) Peripheral Nervous S	ystem
128.	Serum is		(1-) -1 (:1:	
	(a) Plasma		(b) plasma minus fibrinos	gen
120	(c) plasma minus calciun		(d) blood minus RBC.	
129.		es metamorphosis of tadp		(1) TCI I
480		(b) Thyroxin	(c) ACTH	(d) TSH
130.	Organs of Corti are relat		() ***	/ 1) FF
		(b) Body equilibrium	(c) Hearing	(d) Taste
131.	Graafian follicles are for		() 0	/ 1\ C. 1
4		(b) Stomach	(c) Ovary	(d) Spleen
132.	Which type of cleavage		400.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4	
	(a) Bilateral, holoblastic		(b) Spiral, holoblastic and	
	(c) Bilateral, holoblastic a		(d) Spiral, holoblastic and	
133.				
	eye?	(1) D 1 :	/	(1) 2.5
	(a) cataract	(b) Presbyopia	(c) Hypermetropia	(d) Myopia

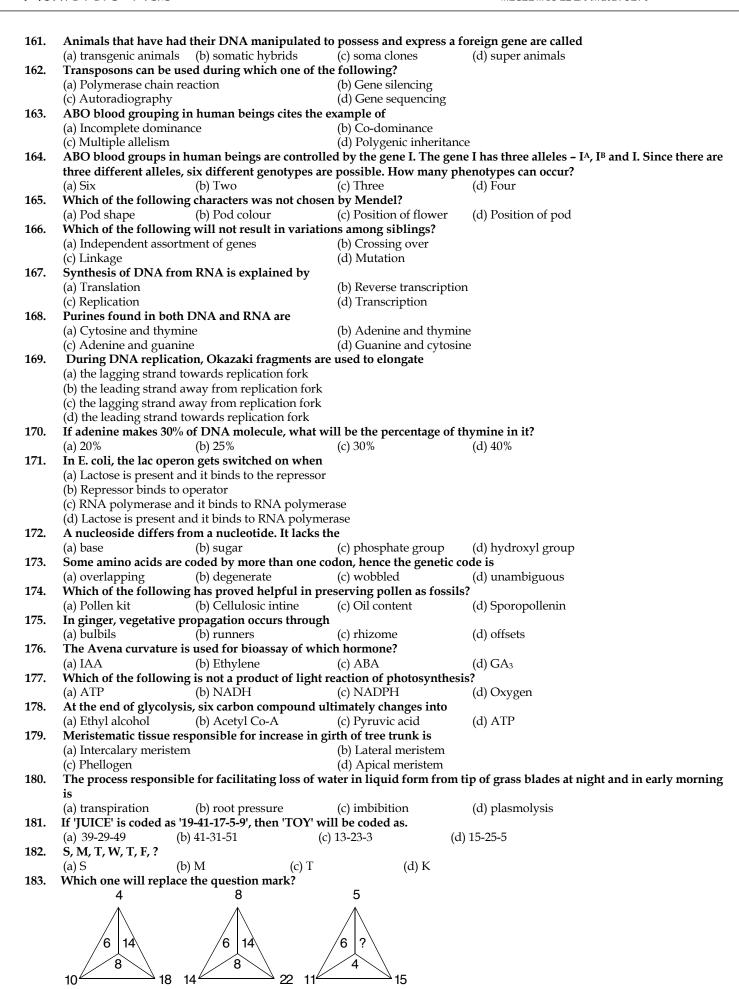
134.	Limbic system control		() 3.6	(1) 11 (.1		
135.	(a) Emotion	(b) Learning uses typhoid resides in chro	(c) Memory	(d) all of them		
133.	(a) Duodenum	(b) Ileum	(c) Gall bladder	(d) Urinary bladder		
136.	Test for tuberculosis is	` '	(-)	(1) 1 1 1 1 1 1		
	(a) Mentos test	(b) Widal test	(c) Mantoux test	(d) Schick test		
137.		nt absorption are comprised		nd altraval		
	(a) Bile salt, fatty acids(c) Fatty acids, Triglyce		(b) Protein, fatty acids, a(d) Fatty acids, sugar and			
138.	The hardest substance		(a) Tutty acras, sugar and	a protein		
	(a) Keratin	(b) Dentine	(c) Enamel	(d) Chondrin		
139.	Iron is absorbed from		(I) I ·			
	(a) Duodenum (c) Ileum		(b) Jejunum(d) Duodenum and prox	imal part of joinnum		
140.	Jaundice is caused by		(u) Duodendin and prox	iniai part of jejunum		
	(a) Excessive collection	of iron in the body	(b) Excessive protein in t	he body		
	(c) Excess level of biliru		(d) Excess vitamin A in t			
141.		g structures is not found ir		(1) P.1		
142.	(a) Mesosome Select the mismatch	(b) Plasma membrane	(c) Nuclear envelope	(d) Ribosome		
174.	(a) Gas vacuoles - Gree	n bacteria	(b) Large central vacuole	es – Animal cells		
	(c) Protists – Eukaryote		(d) Methanogens - Proka			
143.		scular bundles are found i				
111	(a) Sunflower stem	(b) Maize stem	(c) Cucumber root	(d) Mango root		
144.	Agar-Agar is commerc (a) green algae	(b) blue-green algae	(c) brown algae	(d) red algae		
145.		ts regarding haplontic life		(u) red algae		
		tion is represented only by t	•			
	(b) There is no free-living					
		e results in the formation of				
146.		divide mitotically and form		with a short lived, dependent sporophyte		
110.	(a) algae	(b) bryophytes	(c) pteridophytes	(d) gymnosperms		
147.		ee (Sequoia sempervirens) is		(-) (-)		
	(a) angiosperm	(b) tree fern	(c) pteridophyte	(d) gymnosperm		
148.	A prothallus is	1 1 11	.1 11 1 1			
		lophytes formed before the iving structure formed in p				
		e living structure formed in				
		re formed after fertilization				
149.		bear fruits because they do		(1) 1		
150	(a) seeds	(b) ovary wall	(c) ovule	(d) leaves		
150.	Who gave sexual syste (a) Aristotle	(b) Theophrastus	(c) C. Linnaeus	(d) E. Haeckel		
151.				most abundant protein in the whole biosphere		
	(a) Collagen, Rubisco	(b) Collagen, Keratin	(c) Keratin, Rubisco	(d) Keratin, collagen		
152.		The DNA double helix contains base pairs per turn of the helix				
152	(a) 10	(b) 11	(c) 20	(d) 5		
153.	is called as	winch studies the interaction	nis among organisms and	l between organisms and physical environmen		
	(a) Epidemiology	(b) Ecology	(c) Ethology	(d) Etiology		
154.	Mango trees do not an		e regions. The most impo	rtant environmental factor responsible for it is		
4	(a) Soil	(b) Temperature	(c) Water	(d) Light		
155.	Lichens are the associa	(b) Algae and bacterium	(c) Fungue and algae	(d) Fungus and virus		
156.		th negative influence on bo		(u) rungus and virus		
	(a) Amensalism	(b) Mutualism	(c) Commensalism	(d) Competition		
157.		g ecological pyramids is al				
150	(a) Pyramid of energy		(c) Pyramid of number	(d) Pyramid of dry biomass		
158.	The term 'molecular so (a) Recombinant DNA	issors' refer to	(b) Restriction endonucle	ease enzyme		
(c) Taq polymerase (d) Palindromic nucleotide sequences						
159.		e volume of living cells are		a specific product is called		
4.00	(a) PCR	(b) agitator	(c) bioreactor	(d) assimilator		
160.	Bt cotton is not		(b) insact registers			
	(a) a GM plant(c) a bacterial gene exp	ressing system	(b) insect resistant(d) Resistant to all pestic	ide		
	() a sale and a series exp	0-1	, , restre			

(a) 8

(b) 14

(c) 10

(d)6



(1)

(2)

(3)

(4)

(a)

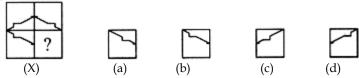
(b)

(d)

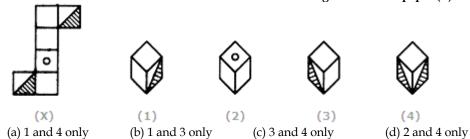
(c)

184. Which of the following figure represents the correct relation? Currency, Rupee, Dollar Α В C D 185. Pointing to a man, a lady said, "His mother is the only daughter of my mother." How is the lady related to the man? (a) Mother (b) Daughter (c) Sister (d) Aunt In a row at a bus stop, A is 7th from the left and B is 9th from the right. They both interchange their positions. Now, A 186. becomes 11th from the left. How many people are there in the row? (d) 18 (b) 20 (c) 19 187. If 3rd December 2003 was Sunday, what day was 3rd January 2001? (a) Friday (b) Wednesday (c) Monday (d) Tuesday 188. Hemant, in order to go to university, started from his house in the east and came to a crossing. The road to the left ends is a theatre, straight ahead is the hospital. In which direction is the university? (a) North (b) South (c) East (d) West 189. Who among P, Q, R, S, T is in exactly the middle while standing in a line? (i) Q is to the immediate right of R. (ii) T is exactly between P and R. (iii) Q is exactly between R and S. (b) Q (c) R (d) S 190. Statement: Should people with educational qualification higher than the optimum requirements be debarred from seeking jobs? **Arguments:** No. It will further aggravate the problem of educated unemployment. Yes. It creates complexity among employees and affects the work adversely. No. This goes against the basic rights of individuals. Yes. This will increase productivity. Only I and III are strong. Α. В. All are strong. COnly II and IV are strong. Only III is strong.. 191. A trader gains 15% after selling an item at a 10% discount on the printed price. The ratio of the cost price and the printed price is? (c) 17:23 (a) 18:23 (b) 17:18 (d) 18:25 C's age is twice the average age of A, B and C. A's age is one-half the average age of A, B and C. If B is 5 years old, the 192. average age of A, B and C is (a) 9 years (b) 10 years (c) 12 years (d) 15 years 193. The average of the first 9 prime number is: (d) $11\frac{1}{9}$ (b) 11 (c) $11\frac{1}{0}$ If 6 men and 8 boys can do a piece of work in 10 days and 26 men and 48 boys can do the same in 2 days, then the time 194. taken by 15 men and 20 boys to do same type of work will be (a) 7 days (b) 6 days (c) 5 days (d) 4 days 195. Select a figure from the Answer Figures which will continue the same series as established by the Problem Figures. **Problem Figures: Answer Figures:** ۵ 0 0 Φ (5)(b) (a) (c) 196. Select a suitable figure from the Answer Figures that would replace the question mark (?). **Problem Figures: Answer Figures:** (2) (4)(a) (b) (c) 197. Select a suitable figure from the Answer Figures that would replace the question mark (?). **Problem Figures: Answer Figures:**

198. In each of the following questions, select a figure from amongst the four alternatives, which when placed in the blank space of figure (X) would complete the pattern.



199. Choose the box that is similar to the box formed from the given sheet of paper (X).



200. From amongst the figures marked (a), (b), (c) and (d), select the figure which satisfies the same conditions of placement of the dots as in figure (X).

🕨 Thank You !!! 🔷 🌢 🌢

