# BEATS HIGHCARECLASS

# **CEE MODEL ENTRANCE EXAM**

## <u>(SET-5)</u>

Instructions:

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

Date : 2081/09/27 (Jan 11) **Duration** : 3 hours **Time :** 10 A.M. – 1 P.M.

1.	The formulae of the ca	alcium pyrophosphate is C	$Ca_2P_2O_7$ then the formulae	e of the ferric pyrophosphate is	
	a) $Fe_2P_2O_7$	b) Fe <sub>3</sub> P <sub>2</sub> O <sub>7</sub>	c) Fe <sub>3</sub> (P <sub>2</sub> O <sub>7</sub> ) <sub>4</sub>	d) $Fe_4(P_2O_7)_3$	
2.	The electronic configu	uration of P in H <sub>2</sub> PO <sub>3</sub> is			
	a) $1 s^2 2s^2$ b) $1 s^2 2 s^2 2p^6 3 s^2 3p^6$ c) $1 s^2 2 s^2 2p^6 3s^2$ d) $1 s^2 2s^2 2p^6 3s^2 3p^3$				
3.	The no. of oxygen mo	lecules present in 10 ml de	ecinormal (f = 1.5) $H_2SO_4$ s	solution are	
	a) 6.02 × 10 <sup>23</sup>	b) $6.02 \times 10^{20}$	c) 9.03 × 10 <sup>20</sup>	d) $3.01 \times 10^{20}$	
4.	0.5 gm metallic carbor	nate on heating gives 112 n	nl CO2 gas at NTP. The eq	quivalent weight of metal is	
	a) 12	b) 20	c) 24	d) 40	
5.	In a hydrocarbon, the	mass ratio of hydrogen to	carbon is 1 : 3. The empir	rical formulae of the hydrocarbon is	
	a) CH <sub>4</sub>	b) C <sub>2</sub> H <sub>4</sub>	c) C <sub>2</sub> H <sub>2</sub>	d) C <sub>2</sub> H <sub>6</sub>	
6.	The rate of diffusion of diffusion of Z with	of two gases X and Y is in t respect to X is:	the ratio of 1 : 5 and that o	of Y & Z in the ratio of 1 : 6. The ratio of the rate	
	a)5/6	b) 1/30	c) 6/5	d) 30	
7.	How many Cl <sup>−</sup> ions ar	e there around Na <sup>+</sup> ion in	NaCl crystal?		
	a) 3	b) 4	c) 6	d) 8	
8.	The total possible value	ue for magnetic quantum 1	number for the value of $\ell$	= 3 is	
	a) 3	b) 1	c) 5	d) 7	
9.	In the ground state, ar	element has 13 electrons	in its M-shell. The eleme	nt is	
	a) Cobalt	b Chromium	c) Nickel	d) Iron	
10.	The hybridization of S	S atom in SO <sub>2</sub> is	,	,	
	a) sp	b) sp <sup>2</sup>	c) $sp^3$	d) sp <sup>3</sup> d	
11.	Which of the followin	g is an isoster of N <sub>2</sub> ?	, <b>1</b>	, <b>1</b>	
	a) CO <sub>2</sub>	b) CO	c) N <sub>2</sub> O	d) O <sub>2</sub>	
12.	10% aqueous solution	of NaOH by weight has n	nole fraction of solute:		
	a) 1/10	b) 1/20	c) 1/21	d) 20/21	
13.	4 moles of A are mixe	d with 4 moles of B when 2	2 moles of C are formed a	t equilibrium according to the reaction.	
	$A + B \rightleftharpoons C + D$				
	The value of the equili	brium constant is			
	a) 4	b) 1	c) 1/2	d) 1/4	
14.	100 ml N/10 HCl is mi	xed with 75 ml M/10 NaO	H then the normal concer	ntration of the resulting solution with respect to	
	salt formed is				
	a) 0.014 N	b) 0.028 N	c) 0.042 N	d) 0.056 N	
15.	The conjugate base of	$^{2}$ HPO $^{2}_{4}$ is			
	3	4			
	a) $PO_4^{3}$	b) $H_2PO_4^-$	c) H <sub>2</sub> PO <sub>4</sub>	d) H <sub>3</sub> PO <sub>3</sub>	
16.	The oxidation number	r of S in Na <sub>2</sub> S <sub>4</sub> O <sub>6</sub> is			
	a) + 2.5 for each S atom	ı			
	b) + 2 and + 3 (two S h	ave + 2 and other two have	e +3)		
	c) + 2 and + 3 (three S	have $+2$ and one S has $+3$ )			
	d) + 5 and 0 (two S have	ve +5 and the other two hav	7e o)		
17.	By passing 0.1 Farada	y of electricity through fus	ed sodium chloride, the a	amount of chlorine liberated is	
	a) 35.45 gm	b) 70.9 gm	c) 3.545 gm	d) 17.77 gm	
18.	For a reaction: 2A + B then	$\rightarrow$ products, the active ma	ss of B is kept constant ar	nd that of A is doubled. The rate of reaction will	
	a) increase two times	b) increase four times	c) decrease two times	d) decrease four times	
19.	Which of the followin	ig is not a property of meta	uls?		
	a) High melting point		b) High electrical condu	activity	
	c) Malleability and due	ctility	d) Low density		
20.	Which of the followin	g metals is not found in n	ature as a free element?		
01	a) Gold	b) Silver	c) Copper	d) Iron	
<b>21.</b>	a) Aluminum	s a reducing agent in the e	c) Zinc	d) Tin	
22.	Which of the followin	g statements is true about	the reactivity series of m	etals?	
-	a) Metals at the bottom	are more reactive than the	ose at the top.		
	b) Metals at the top are	e more reactive than those a	at the bottom.		
	c) The reactivity of me	tals is not related to their po	osition in the series.		
	u) The reactivity series	is based on the meiting po	un of metals.		

23.	Which of the following	g is an example of an alloy	?	
	a) Gold	b) Silver	c) Brass	d) Copper
24.	Which metal is used as	s a catalyst in the Haber's <sub>I</sub>	process for the production	of ammonia?
	a) Nickel	b) Platinum	c) Iron	d) Copper
25.	Which metal is used in	the manufacture of dry co	ells and storage batteries?	
	a) Lead	b) Zinc	c) Copper	d) Silver
26.	Which of the following	g is not a non-metal?		
	a) Nitrogen	b) Oxygen	c) Sodium	d) Chlorine
27.	Which of the following	g non-metals is a liquid at	room temperature?	n – .
•	a) Oxygen	b) Chlorine	c) Sulphur	d) Bromine
28.	Which of the following	g non-metals is used as a b	leaching agent?	
•	a) Hydrogen	b) Chlorine	c) Nitrogen	d) Phosphorus
29.	Which of the following	g statements is true about	the allotropes of carbon?	1
	a) Diamond is a good c	onductor of electricity.	b) Graphite is a poor cor	ductor of electricity.
•••	c) Fullerenes are the mo	ost stable form of carbon.	d) Amorphous carbon h	as a crystalline structure.
30.	which of the following	g non-metals is used in the	e preparation of fertilizers	i) Dharaiteanna
01	a) Nitrogen	b) Oxygen	c) Sulphur	a) Phosphorus
31.	which non-metal is us	the chloring agent if	h the manufacture of sulp	A) Collabora
20	a) Oxygen	b) Chiorine	c) Nitrogen	a) Sulphur
32.	which of the following	g non-metals is used in the	e production of semicond	d) Collaboration
22	a) Oxygen	b) Nitrogen	c) Shicon	a) Sulphur
33.	$c_{13}C_{12}O_{11}$ , the bolid	b) C O	o) C H	4) O H
3/	a) C-C	b) C-O	c) C-11	() ()-11
J <b>4</b> .	a) CHOCOCHCH	g will produce only one pr	b) CH_CH_OCOCH_CH	
	a) CH3OCOCH2CH3		d) CH <sub>2</sub> CH <sub>2</sub> OCOCH <sub>2</sub> CH	GCH <sub>2</sub>
35	The IUPAC name of th	e compound	u) engengeeeengen	20113
55.	$CH_{1} = C  CH_{2}  C = C$	is		
	$CH_2 - C - CH_2 - C = C$	18:		
	CH <sub>3</sub>			
	a) 2-methylpent-1- en -	4 - yne	b) 4 - methyl pent - 4 - er	n - 1- yne
	c) 2 - methyl pent - 2- er	n - 4 - yne	d) 4 - methyl pent - 4 - er	n - 1 - yne
36.	Which of the following	g forms more stable hydra	te?	-
	a) HCHO	b) CH₃CHO	c) CH <sub>3</sub> COCH <sub>3</sub>	d) CCI3CHO
37.	Steam distillation is us	sed for the extraction of		
	a) essential oils	b) fatty acids	c) heavy oils	d) minerals oils
38. A	ddition of TEL to petrol			
	a) lowers octane numbe	ers	b) rises octane numbers	
	c) both a & b		d) no effect	
39.	Markonikov's addition	n is governed by		
	a) + I effect	b)-I effect	c) + E effect	d)-E effect
40.	Which of the following	g has the highest nucleoph	illicity?	1)
4.4	a) F	b) -OH	c) -CH <sub>3</sub>	d) $-NH_2$
41.	Which of the following	g is least basic in nature?		
40	a) $C_6H_5CH_2NH_2$	b) $C_6H_5CH_2NHCH_3$	c) $O_2 INCH_2 INH_2$	a) CH <sub>3</sub> NHCHO
42.	Zwitter ion is formed i	b) a catan ili da		d) 1
12	a) anime	b) acetaninde	c) benzoic acid	d) lysine
43.	which is aromatic nyu			
	$\wedge$	一天		
		b) c)		d) none
44.	Which of the following	carbohydrates is synthes	ized by nature on the larg	vest scale?
11.	a) Glucose	b) Fructose	c) Lactose	d) Cellulose
45.	Oxalic acid when redu	ced with Zn and $H_2SO_4$ gi	ves	a) condition
101	a) glyoxalic acid	b) glyoxal	c) glycolic acid d) g	vlycol
46.	Ether is always purifie	d before distillation becau	ise	5-7
	a) it is very poisonous		b) it is converted into ex	plosive peroxide
	c) a & b		d) none of these	r r
47.	Which of the following	g undergoes nucleophilic s	substitution exclusively b	v SN₁ mechanism?
	a) Benzvl chloride	b) Ethyl chloride	c) Chlorobenzene	d) Isopropyl chloride
48.	Chemically, natural ru	bber consists of	,	/ I IJ - IJ
	a) Polyamide	b) Acrolein	c) Polyester	d) Isoprene
49.	Which of the following	g class of compounds cann	ot show metamerism?	/ <b>L</b>
	a) Ether	b) Ketone	c) Amine	d) Nitriles
50.	In its reaction with silv	ver nitrate, acetylene show	S	
	a) oxidizing property	b) reducing property	c) basic property	d) acidic property

51.	A wire has a mass	(0.3 ± 0.003) g, radius (0.	5 ± 0.005) mm and length	$n (0.6 \pm 0.006)$ cm. The maximum % error in the
	measurement of its o	lensity is		
	a) 1	b) 2	c) 3	d) 4
52.	A particle is moving Find its minimum p	in a straight line with vel ossible velocity.	ocity 10m/s. Further, it is a	cted by an acceleration at angle 143° with velocity.
	a) 6 m/s	b) $8 \text{ m/s}$	c) $4 \text{ m/s}$	d) zero
53.	A stone is just releas	ed from the window of a	train moving along a horiz	contal straight track. The stone will hit the ground
00.	following			Solicit Straight duck The Stone will hit the ground
	a) Straight line path	b) Circular path	c) Parabolic path	d) hyperbolic path
<b>F</b> 4	a) Straight line pain		c) I alabolic path	u) hyperbolic path
54.	I wo bodies of equa	i masses revolve in circul	ar orbit of radius R <sub>1</sub> and F	X <sub>2</sub> with same period. The centripetal forces are in
	the ratio		_	
	$(R_2)^2$	$R_1$	$(R_1)^2$	
	a) $\left(\frac{1}{R_1}\right)$	b) $\frac{1}{R_2}$	c) $\left(\frac{1}{R_2}\right)$	d) $\sqrt{R_1R_2}$
55	A dynamometer D i	s attached to two bodies o	of masses $M = 6 kg$ and $m$ :	= 4 kg. Forces $F = 20$ N and $f = 10$ N are applied to
00.	the masses as shown	in the figure The dynam	omotor roade	1 kg. 101cco1 2010 unu 1 1010 une upplieu to
	the masses as shown	D	iometer reaus	
	▲ M M		<b>→</b>	
	F=20 N		f = 10 N	
	a) 10 N	b) 20 N	c) 30 N	d) 14 N
56.	Which of the follow	ing is self-adjusting in na	ture?	
	a) Static friction	b) Kinetic friction	c) Rolling friction	d) Limiting friction
57.	The condition for eq	uilibrium is		
	a) $\Sigma F = 0$ , a = 0	b) $\Sigma \tau = 0$ , $\alpha = 0$	c) $\Sigma F = 0$ but $\Sigma \tau \neq 0$	d) $\Sigma F = 0$ , $a = 0$ $\Sigma \tau = 0$ , $\alpha = 0$
58	An elastic rope of le	ngth / density o and You	og's modulus Y is hanging	from ceiling Find elongation produced due to its
50.	· 1	ingen v density p and rou	ig s moutilus i is nunging	from cennig. This crongation produced due to its
	own weight.			
	, ρgℓ²	$1 \rho g \ell^2$	_2ρgℓ²	1
	a) $\overline{Y}$	$b)\overline{2}\overline{Y}$	$c) \overline{Y}$	d) zero
59	If n be coefficient o	f viscosity of gas and R b	a absolute temperature the	on and a second s
57.	i que coefficient o			
	a) η α 1	b) η α 1/1	c) $\eta \alpha \sqrt{1}$	d) $\eta \alpha 1^{0}$
60.	A particle is in line	ar SHM with amplitude	'A' and time period 'T'. Fi	nd time taken by particle to travel from extreme
	position to half of th	e amplitude.		
	ā) T/4	b) T/6	c) T/12	d) T/8
61.	Heat is associated w	ith	, .	, .
	a) KE of random mot	ion of molecules		
	b) KE of orderly mot	ion of molecules		
	c) Total KE of randor	n and arderly motion mal	oculos	
	() I otal KE of failuoi	in and orderly monor mor	ecules	
<b>()</b>	d) None of the above			1.1
62.	One gram of ice at 0	°C is mixed with one gran	n of water at 100°C. The re	sulting temperature will be
	a) ∞	b) 10°C	c) 0°C	d) 5°C
63.	In a water fall, the w	ater falls from height of 1	00 m. If the entire KE of wa	ater is converting into heat, the rise in temperature
	of water will be			
	a) 0.23°C	b) 0.46°C	c) 2.3°C	d) 0.023°C
64	In a cyclic process, th	he change in internal ene	rov is	-)
0 10	a) Minimum but not	zero	b) Zero	
	a) Maximum but not	2010	d) Infinite	
	c) Maximum but not	~ ~ ~	d) Infinite	
65	When an ideal gas	$\mathbf{v} = \frac{5}{2}$ is heated under cor	stant pressure then what	percentage of given heat will be utilized in doing
00.	() in the second gas	(3) is included under con		percentage of given near thin be admined in aoing
	external work.			
	a) 40%	b) 30%	c) 60%	d) 20%
66.	The heat capacity of	source and sink of Carno	t engine are respectively (i	in Cal/°C)
	2) 01 - 05	b) 1 & 1	c) 0.5 - 0.1	d) or fr or
67	d) 0.1 & 0.5	$0$ $1 \otimes 1$	$C_{1} = 0.5 \otimes 0.1$	$u_{j} \otimes w \otimes$
07.	1) 0.2%		1 1 0/	
	a) 0.2%	b) 2%	c) 1%	d) 0.1%
68.	The potential differe	ence between points A an	d B of adjoining figure is	
	Α 5Ω	5Ω Β		
		~~~~~		
		ļ		
	_ } /2	v È_		
	≥Ωځ کړ	< 5Ω		
	Ş	>		
	D 50	~C		
	2	8	4	
	a) $\frac{1}{2}$ V	b) $\frac{3}{6}$ V	c) $\frac{\pi}{2}$ V	d) 2 V
	' J	· 7	· 3	·
69.	The terminal p.d of	a cell when short-circuite	d 15	
	a) E	b) E/2	c) Zero	d) E/3

70.	A potentiometer is an i	deal device for measuring	p.d. because	
	a) It uses a sensitive gal	vanometer		
	b) It does not disturb th	e p.d. it measures		
	c) It is an elaborate arra	ngement		
	d) It has a long wire hence heat developed is quickly radiated			
71.	A heater coil is cut into	two parts of equal length	and one of them is used	in the heater. The ratio of the heat produced by
	this half ratio of the he	at produced by this half co	oil to that by the original	coil is
	a) 1:2	b) 1:1	c) 2:1	d) 1:4
72.	If a long hollow coppe	r pipe carries a direct curre	nt, the magnetic field ass	ociated with the current will be
	a) Only inside the pipe		b) Only outside the pipe	
	c) Neither inside nor ou	itside the pipe	d) Both inside and outsid	le the pipe
73.	Two free parallel wires	s carrying currents in oppo	site direction	
	a) Attract each other		b) Repel each other	
	c) Neither attract nor re	pel	d) Get rotated to be perp	endicular to each other
74.	A coil of $R = 10\Omega$ and L	L = 5H is connected to a 100	V battery then energy sto	red is
	a) 100 J	b) 400 J	c) 250 J	d) 500 J
75.	The phase difference b	etween V and I of LCR cir	cuit in series resonance is	, <u> </u>
	a) π	b) π/2	c) 0	d) π/4
76.	Which of the following	z is in evidence for the exp	ansion of the universe	, ,
	a) Red shift	b) Blue shift	c) Birth of pulsars	d) Birth of Ouasars
77.	To a bird in air. a fish i	$\dot{\mathbf{n}}$ water appears to be at 30	$\int cm$ from the surface. If a	$\mu_{\rm w} = 4/3$ , then the true depth of fish is
	a) 30 cm	b. 45 cm	c) 40 cm	d) 5 cm
78.	Color is the property o	f	-)	-)
	a) frequency	b) wavelength	c) speed	d) photon
79.	When second face of a	convex lens is silvered it b	ehaves as	d) photon
15.	a) Convex lens	b) Concave mirror	c) Convex mirror	d) As a plate
80	In Young's double slit	experiment the intensity	of light at a point P on	a screen where the nath difference between
	interfering rave is $\lambda$ is	I. What is intensity at point	O where the path diffe	rance between interfering rays is $\lambda/42$
	a) $L/A$	b) L /2		d) Zero
81	Two stars $A$ and $B$ whi	ich are 4 and 12 light years	anart from the earth res	nectively produce equal illuminance on earth
01.	The ratio of their lumi	nous intensities is	upuit from the curtil res	pectively, produce equal manimance on cartin
	a) $1 \cdot 3$	b) $1.9$	c) $3 \cdot 1$	d) 9 · 1
		ish the second in simble second	as double of its value at '	27°C
82	The temperature at wh	ich the soling in air becom	es donnie of its value al a	
82.	a) 54°C	b) 827°C	c) 927°C	d) = 123°C
82. 83.	a) 54°C The intensity level du	b) 827°C b) waves of same frequ	c) $927^{\circ}C$	d) – 123°C n are 1 bel and 5 bel. Then the ratio of their
82. 83.	a) 54°C The intensity level du amplitudes is	b) 827°C te to waves of same frequ	c) 927°C iency in a given medium	d) – 123°C n are 1 bel and 5 bel. Then the ratio of their
82. 83.	a) 54°C The intensity level du amplitudes is a) 1 : 4	b) 827°C te to waves of same freque b) 1 : 2	c) 927°C iency in a given medium	d) - 123°C n are 1 bel and 5 bel. Then the ratio of their d) 1 : 10 <sup>2</sup>
82. 83. 84.	The temperature at wh a) $54^{\circ}$ C The intensity level du amplitudes is a) 1 : 4 The prism of angle 6° H	b) 827°C te to waves of same frequ b) 1 : 2 has material of refractive in	c) $927^{\circ}$ C rency in a given medium c) $1:10^4$ rdex 5/3. The deviation ca	d) - 123°C n are 1 bel and 5 bel. Then the ratio of their d) $1:10^2$ used by this prism will be
82. 83. 84.	a) 54°C The intensity level du amplitudes is a) 1 : 4 The prism of angle 6° h a) 2°	b) 827°C te to waves of same frequ b) 1 : 2 has material of refractive in b) 3°	c) $927^{\circ}$ C tency in a given medium c) $1:10^4$ tdex 5/3. The deviation ca c) $4^{\circ}$	d) - 123°C n are 1 bel and 5 bel. Then the ratio of their d) $1:10^2$ used by this prism will be d) $6^\circ$
<ul><li>82.</li><li>83.</li><li>84.</li><li>85.</li></ul>	The temperature at wh a) $54^{\circ}$ C The intensity level du amplitudes is a) 1 : 4 The prism of angle 6° H a) 2° A capacitor of c = 2F is	b) 827°C te to waves of same frequ b) 1 : 2 has material of refractive in b) 3° charged with a battery of 1	c) 927°C tency in a given medium c) 1 : 10 <sup>4</sup> tdex 5/3. The deviation ca c) 4°	d) - 123°C n are 1 bel and 5 bel. Then the ratio of their d) $1:10^2$ used by this prism will be d) $6^\circ$ y battery.
<ul><li>82.</li><li>83.</li><li>84.</li><li>85.</li></ul>	The temperature at wh a) $54^{\circ}$ C The intensity level du amplitudes is a) 1 : 4 The prism of angle 6° H a) 2° A capacitor of c = 2F is a) 225 J	b) 827°C te to waves of same freque b) 1 : 2 has material of refractive in b) 3° charged with a battery of 1 b) 450 J	c) 927°C tency in a given medium c) 1 : 10 <sup>4</sup> tdex 5/3. The deviation ca c) 4° 15V. Find energy spent by c) 100 J	d) - 123°C n are 1 bel and 5 bel. Then the ratio of their d) $1:10^2$ used by this prism will be d) $6^\circ$ y battery. d) 550 J
<ol> <li>82.</li> <li>83.</li> <li>84.</li> <li>85.</li> <li>86.</li> </ol>	The temperature at wh a) $54^{\circ}$ C The intensity level du amplitudes is a) 1 : 4 The prism of angle 6° H a) 2° A capacitor of c = 2F is a) 225 J Capacitor is	b) 827°C te to waves of same freque b) 1 : 2 has material of refractive in b) 3° charged with a battery of 1 b) 450 J	c) 927°C tency in a given medium c) 1 : 10 <sup>4</sup> tedex 5/3. The deviation ca c) 4° ISV. Find energy spent by c) 100 J	d) - 123°C n are 1 bel and 5 bel. Then the ratio of their d) $1:10^2$ used by this prism will be d) $6^\circ$ y battery. d) 550 J
<ol> <li>82.</li> <li>83.</li> <li>84.</li> <li>85.</li> <li>86.</li> </ol>	a) 54°C The intensity level du amplitudes is a) 1 : 4 The prism of angle 6° H a) 2° A capacitor of c = 2F is a) 225 J Capacitor is a) energy storing device	b) 827°C te to waves of same freque b) 1 : 2 has material of refractive in b) 3° charged with a battery of 1 b) 450 J	<ul> <li>c) 927°C</li> <li>ency in a given medium</li> <li>c) 1 : 10<sup>4</sup></li> <li>edex 5/3. The deviation cate control of the energy spent by control of the</li></ul>	d) - 123°C n are 1 bel and 5 bel. Then the ratio of their d) $1:10^2$ used by this prism will be d) $6^{\circ}$ y battery. d) 550 J
<ol> <li>82.</li> <li>83.</li> <li>84.</li> <li>85.</li> <li>86.</li> </ol>	a) 54°C The intensity level du amplitudes is a) 1 : 4 The prism of angle 6° H a) 2° A capacitor of c = 2F is a) 225 J Capacitor is a) energy storing device c) energy converter	b) 827°C te to waves of same freque b) 1 : 2 has material of refractive in b) 3° charged with a battery of 1 b) 450 J	<ul> <li>c) 927°C</li> <li>nency in a given medium</li> <li>c) 1 : 10<sup>4</sup></li> <li>ndex 5/3. The deviation cate control of the state of</li></ul>	d) – 123°C n are 1 bel and 5 bel. Then the ratio of their d) $1:10^2$ used by this prism will be d) $6^{\circ}$ v battery. d) 550 J
<ol> <li>82.</li> <li>83.</li> <li>84.</li> <li>85.</li> <li>86.</li> <li>87.</li> </ol>	a) 54°C The intensity level du amplitudes is a) 1 : 4 The prism of angle 6° H a) 2° A capacitor of c = 2F is a) 225 J Capacitor is a) energy storing device c) energy converter Electric potential due t	b) 827°C te to waves of same freque b) 1 : 2 has material of refractive in b) 3° charged with a battery of 1 b) 450 J	<ul> <li>c) 927°C</li> <li>ency in a given medium</li> <li>c) 1 : 10<sup>4</sup></li> <li>ency 5/3. The deviation cate c) 4°</li> <li><b>15V. Find energy spent by</b></li> <li>c) 100 J</li> <li>b) charge storing device d) heating device</li> </ul>	d) - 123°C n are 1 bel and 5 bel. Then the ratio of their d) 1 : 10 <sup>2</sup> used by this prism will be d) 6° y battery. d) 550 J
<ol> <li>82.</li> <li>83.</li> <li>84.</li> <li>85.</li> <li>86.</li> <li>87.</li> </ol>	a) 54°C The intensity level du amplitudes is a) 1 : 4 The prism of angle 6° H a) 2° A capacitor of c = 2F is a) 225 J Capacitor is a) energy storing device c) energy converter Electric potential due t a) positive	b) 827°C te to waves of same freque b) 1 : 2 has material of refractive in b) 3° charged with a battery of 1 b) 450 J	<ul> <li>c) 927°C</li> <li>ency in a given medium</li> <li>c) 1 : 10<sup>4</sup></li> <li>ency 5/3. The deviation catched a constraint of the state of the st</li></ul>	d) - 123°C n are 1 bel and 5 bel. Then the ratio of their d) 1 : 10 <sup>2</sup> nused by this prism will be d) 6° y battery. d) 550 J
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<ol> <li>82.</li> <li>83.</li> <li>84.</li> <li>85.</li> <li>86.</li> <li>87.</li> <li>88.</li> </ol>	The temperature at wh a) 54°C The intensity level du amplitudes is a) 1 : 4 The prism of angle 6° H a) 2° A capacitor of c = 2F is a) 225 J Capacitor is a) energy storing device c) energy converter Electric potential due t a) positive c) zero Find initial phase of th	b) 827°C te to waves of same freque b) 1 : 2 has material of refractive in b) 3° charged with a battery of 1 b) 450 J e o a positive charge is	<ul> <li>c) 927°C</li> <li>ency in a given medium</li> <li>c) 1 : 10<sup>4</sup></li> <li>ency 5/3. The deviation ca</li> <li>c) 4°</li> <li>EV. Find energy spent by</li> <li>c) 100 J</li> <li>b) charge storing device</li> <li>d) heating device</li> <li>b) negative</li> <li>d) may be positive, nega</li> <li>if wave is propagating all</li> </ul>	d) - 123°C n are 1 bel and 5 bel. Then the ratio of their d) 1 : 10 <sup>2</sup> used by this prism will be d) 6° y battery. d) 550 J tive and zero ong +ve X-axis
<ol> <li>82.</li> <li>83.</li> <li>84.</li> <li>85.</li> <li>86.</li> <li>87.</li> <li>88.</li> </ol>	The temperature at wh a) 54°C The intensity level du amplitudes is a) 1 : 4 The prism of angle 6° H a) 2° A capacitor of c = 2F is a) 225 J Capacitor is a) energy storing device c) energy converter Electric potential due t a) positive c) zero Find initial phase of th + A	b) 827°C te to waves of same freque b) 1 : 2 has material of refractive in b) 3° charged with a battery of 1 b) 450 J e o a positive charge is	<ul> <li>c) 927°C</li> <li>ency in a given medium</li> <li>c) 1 : 10<sup>4</sup></li> <li>ency 5/3. The deviation ca</li> <li>c) 4°</li> <li>EV. Find energy spent by</li> <li>c) 100 J</li> <li>b) charge storing device</li> <li>d) heating device</li> <li>b) negative</li> <li>d) may be positive, nega</li> <li>if wave is propagating also</li> </ul>	d) - 123°C n are 1 bel and 5 bel. Then the ratio of their d) 1 : 10 <sup>2</sup> used by this prism will be d) 6° y battery. d) 550 J tive and zero ong +ve X-axis
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<ol> <li>82.</li> <li>83.</li> <li>84.</li> <li>85.</li> <li>86.</li> <li>87.</li> <li>88.</li> <li>89.</li> <li>90</li> </ol>	The temperature at wh a) $54^{\circ}$ C The intensity level du amplitudes is a) 1 : 4 The prism of angle 6° H a) 2° A capacitor of c = 2F is a) 225 J Capacitor is a) energy storing device c) energy converter Electric potential due t a) positive c) zero Find initial phase of th + A 	b) $1 : 2$ has material of refractive in b) $3^{\circ}$ charged with a battery of 1 b) $450 \text{ J}$ co a positive charge is b) $180^{\circ}$ b) $180^{\circ}$ c) $180^{\circ}$ b) $180^{\circ}$ c)	<ul> <li>c) 927°C</li> <li>ency in a given medium</li> <li>c) 1 : 10<sup>4</sup></li> <li>ency 5/3. The deviation cate control of the state of t</li></ul>	<ul> <li>d) - 123°C</li> <li>n are 1 bel and 5 bel. Then the ratio of their</li> <li>d) 1 : 10<sup>2</sup></li> <li>used by this prism will be</li> <li>d) 6°</li> <li>y battery.</li> <li>d) 550 J</li> </ul> tive and zero ong +ve X-axis d) 45° d) none of these
<ol> <li>82.</li> <li>83.</li> <li>84.</li> <li>85.</li> <li>86.</li> <li>87.</li> <li>88.</li> <li>89.</li> <li>90.</li> </ol>	The temperature at wh a) $54^{\circ}$ C The intensity level du amplitudes is a) 1 : 4 The prism of angle 6° H a) 2° A capacitor of c = 2F is a) 225 J Capacitor is a) energy storing device c) energy converter Electric potential due t a) positive c) zero Find initial phase of th + A 	b) 1 : 2 has material of refractive in b) 3° charged with a battery of 1 b) 450 J co a positive charge is b) 180° b) 180° b) 180° b) the relation b) r = H <sub>0</sub> V mium rod is used as: b) nuclear fuel	<ul> <li>c) 927°C</li> <li>ency in a given medium</li> <li>c) 1 : 10<sup>4</sup></li> <li>ency in a given medium</li> <li>c) 1 : 10<sup>4</sup></li> <li>ency in a given medium</li> <li>c) 4°</li> <li><b>5V. Find energy spent by</b></li> <li>c) 100 J</li> <li>b) charge storing device</li> <li>d) heating device</li> <li>d) heating device</li> <li>d) heating device</li> <li>d) may be positive, negating all</li> <li>f wave is propagating all</li> <li>c) 60°</li> <li>c) 60°</li> <li>c) H<sub>0</sub> = Vr</li> <li>c) coolant</li> </ul>	<ul> <li>d) - 123°C</li> <li>n are 1 bel and 5 bel. Then the ratio of their</li> <li>d) 1 : 10<sup>2</sup></li> <li>used by this prism will be</li> <li>d) 6°</li> <li>y battery.</li> <li>d) 550 J</li> </ul> tive and zero ong +ve X-axis d) 45° d) none of these d) control rod
<ol> <li>82.</li> <li>83.</li> <li>84.</li> <li>85.</li> <li>86.</li> <li>87.</li> <li>88.</li> <li>89.</li> <li>90.</li> <li>91</li> </ol>	The temperature at wh a) $54^{\circ}$ C The intensity level du amplitudes is a) 1 : 4 The prism of angle 6° H a) 2° A capacitor of c = 2F is a) 225 J Capacitor is a) energy storing device c) energy converter Electric potential due t a) positive c) zero Find initial phase of th + A 	b) $827^{\circ}C$ the to waves of same freque b) $1:2$ has material of refractive in b) $3^{\circ}$ charged with a battery of 1 b) $450 \text{ J}$ co a positive charge is the wave from graph below b) $180^{\circ}$ b) $180^{\circ}$ by the relation b) $r = H_0 \text{ V}$ mium rod is used as: b) nuclear fuel ue of $\alpha = 0.9$ the value of 8	c) $60^{\circ}$ c) $60^{\circ}$	<ul> <li>d) - 123°C</li> <li>n are 1 bel and 5 bel. Then the ratio of their</li> <li>d) 1 : 10<sup>2</sup></li> <li>used by this prism will be</li> <li>d) 6°</li> <li>v battery.</li> <li>d) 550 J</li> </ul> tive and zero ong +ve X-axis d) 45° d) none of these d) control rod
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<ol> <li>82.</li> <li>83.</li> <li>84.</li> <li>85.</li> <li>86.</li> <li>87.</li> <li>88.</li> <li>89.</li> <li>90.</li> <li>91.</li> <li>92</li> </ol>	The temperature at wh a) $54^{\circ}$ C The intensity level du amplitudes is a) 1 : 4 The prism of angle 6° H a) 2° A capacitor of c = 2F is a) 225 J Capacitor is a) energy storing device c) energy converter Electric potential due t a) positive c) zero Find initial phase of th + A O O O Hubble's law is given b a) 0° Hubble's law is given b a) V = H <sub>0</sub> r In nuclear reactor, Cad a) moderator For a transistor the value a) 1 When X-rays fall on a statement of the statement of the temperature a) 1	b) $827^{\circ}C$ the to waves of same frequency b) 1 : 2 has material of refractive in b) 3° charged with a battery of 1 b) 450 J charged with a battery of 1 b) 450 J charged with a battery of 1 b) 450 J charged with a battery of 1 b) 180° b) 180° by the relation b) r = H <sub>0</sub> V mium rod is used as: b) nuclear fuel ue of $\alpha$ = 0.9, the value of $\beta$ b) 0.09 neutral metallic block the block	c) $927^{\circ}$ C <b>nency in a given medium</b> c) $1:10^{4}$ <b>ndex 5/3. The deviation ca</b> c) $4^{\circ}$ <b>15V. Find energy spent by</b> c) $100 \text{ J}$ b) charge storing device d) heating device b) negative d) may be positive, negating and <b>if wave is propagating al</b> c) $60^{\circ}$ c) $H_{0} = \text{Vr}$ c) coolant <b>is</b> c) 0.9 <b>block becomes/remains</b>	<ul> <li>d) - 123°C</li> <li>n are 1 bel and 5 bel. Then the ratio of their</li> <li>d) 1 : 10<sup>2</sup></li> <li>used by this prism will be</li> <li>d) 6°</li> <li>v battery.</li> <li>d) 550 J</li> </ul> tive and zero ong +ve X-axis d) 45° d) none of these d) control rod d) 9
<ol> <li>82.</li> <li>83.</li> <li>84.</li> <li>85.</li> <li>86.</li> <li>87.</li> <li>88.</li> <li>89.</li> <li>90.</li> <li>91.</li> <li>92.</li> </ol>	The temperature at wh a) $54^{\circ}$ C The intensity level du amplitudes is a) 1 : 4 The prism of angle 6° H a) 2° A capacitor of c = 2F is a) 225 J Capacitor is a) energy storing device c) energy converter Electric potential due t a) positive c) zero Find initial phase of th + A O COA a) 0° Hubble's law is given f a) V = H <sub>0</sub> r In nuclear reactor, Cad a) moderator For a transistor the value a) 1 When X-rays fall on a f a) neutral	b) 180° b) 18	c) $60^{\circ}$ c) $60^{\circ}$ c) $60^{\circ}$ c) $10^{\circ}$ c) $10^{\circ}$ c) $10^{\circ}$ c) $10^{\circ}$ c) $10^{\circ}$ c) $100^{\circ}$ c) $100^{\circ}$	<ul> <li>d) - 123°C</li> <li>n are 1 bel and 5 bel. Then the ratio of their</li> <li>d) 1 : 10<sup>2</sup></li> <li>used by this prism will be</li> <li>d) 6°</li> <li>y battery.</li> <li>d) 550 J</li> </ul> tive and zero ong +ve X-axis d) 45° d) none of these d) control rod d) 9
<ol> <li>82.</li> <li>83.</li> <li>84.</li> <li>85.</li> <li>86.</li> <li>87.</li> <li>88.</li> <li>89.</li> <li>90.</li> <li>91.</li> <li>92.</li> </ol>	The temperature at wh a) 54°C The intensity level du amplitudes is a) 1 : 4 The prism of angle 6° H a) 2° A capacitor of c = 2F is a) 225 J Capacitor is a) energy storing device c) energy converter Electric potential due t a) positive c) zero Find initial phase of th + A O O O Hubble's law is given H a) 0° Hubble's law is given H a) V = H <sub>0</sub> r In nuclear reactor, Cad a) moderator For a transistor the value a) 1 When X-rays fall on a f a) neutral b) positively charged	b) $827^{\circ}C$ te to waves of same freque b) $1:2$ has material of refractive in b) $3^{\circ}$ charged with a battery of 1 b) $450 \text{ J}$ co a positive charge is the wave from graph below b) $180^{\circ}$ by the relation b) $r = H_0 \text{ V}$ mium rod is used as: b) nuclear fuel ue of $\alpha = 0.9$ , the value of $\beta$ b) $0.09$ neutral metallic block, the later of the second se	c) $60^{\circ}$ c) $60^{\circ}$ c) $60^{\circ}$ c) $60^{\circ}$ c) $10^{\circ}$ c) $10^{\circ}$ c) $10^{\circ}$ c) $10^{\circ}$ c) $100^{\circ}$ c) $100^{\circ}$	<ul> <li>d) - 123°C</li> <li>n are 1 bel and 5 bel. Then the ratio of their</li> <li>d) 1: 10<sup>2</sup></li> <li>used by this prism will be</li> <li>d) 6°</li> <li>y battery.</li> <li>d) 550 J</li> </ul> tive and zero ong +ve X-axis d) 45° d) none of these d) control rod d) 9
<ol> <li>82.</li> <li>83.</li> <li>84.</li> <li>85.</li> <li>86.</li> <li>87.</li> <li>88.</li> <li>89.</li> <li>90.</li> <li>91.</li> <li>92.</li> </ol>	The temperature at wh a) 54°C The intensity level du amplitudes is a) 1 : 4 The prism of angle 6° H a) 2° A capacitor of c = 2F is a) 225 J Capacitor is a) energy storing device c) energy converter Electric potential due t a) positive c) zero Find initial phase of th +A O O A A A A $AA$ $AA$ $A$ $AA$ $AA$ $A$ $AA$ $A$ $AA$ $AAA$ $AA$ $AA$ $AA$ $AA$ $AA$ $AA$ $AA$ $AAA$ $AA$ $AAAA$ $AAAA$ $AAAAAAAAAA$	b) $827^{\circ}C$ le to waves of same freque b) $1:2$ has material of refractive in b) $3^{\circ}$ charged with a battery of 1 b) $450 \text{ J}$ co a positive charge is le wave from graph below b) $180^{\circ}$ b) $180^{\circ}$ b) $180^{\circ}$ by the relation b) $r = H_0 \text{ V}$ mium rod is used as: b) nuclear fuel ue of $\alpha = 0.9$ , the value of $\beta$ b) $0.09$ neutral metallic block, the left of the second seco	c) $60^{\circ}$ c) $60^{\circ}$ c) $60^{\circ}$ c) $60^{\circ}$ c) $10^{\circ}$ c) $10^{\circ}$ c) $10^{\circ}$ c) $100^{\circ}$ c) $100^{\circ}$	<ul> <li>d) - 123°C</li> <li>n are 1 bel and 5 bel. Then the ratio of their</li> <li>d) 1 : 10<sup>2</sup></li> <li>used by this prism will be</li> <li>d) 6°</li> <li>v battery.</li> <li>d) 550 J</li> </ul> tive and zero ong +ve X-axis d) 45° d) none of these d) control rod d) 9
<ol> <li>82.</li> <li>83.</li> <li>84.</li> <li>85.</li> <li>86.</li> <li>87.</li> <li>88.</li> <li>89.</li> <li>90.</li> <li>91.</li> <li>92.</li> </ol>	The temperature at wh a) 54°C The intensity level du amplitudes is a) 1 : 4 The prism of angle 6° H a) 2° A capacitor of c = 2F is a) 225 J Capacitor is a) energy storing device c) energy converter Electric potential due t a) positive c) zero Find initial phase of th + A O O O A Hubble's law is given 1 a) V = H <sub>0</sub> r In nuclear reactor, Cad a) moderator For a transistor the value a) 1 When X-rays fall on a fall b) positively charged c) negatively charged d) sometimes positively	b) 827°C le to waves of same freque b) 1 : 2 has material of refractive in b) 3° charged with a battery of 1 b) 450 J co a positive charge is le wave from graph below is b) 180° by the relation b) r = H <sub>0</sub> V mium rod is used as: b) nuclear fuel ue of $\alpha$ = 0.9, the value of $\beta$ b) 0.09 neutral metallic block, the is v and sometimes negatively	c) $60^{\circ}$ c) $60^{\circ}$ c) $60^{\circ}$ c) $60^{\circ}$ c) $10^{\circ}$ c) $1$	<ul> <li>d) - 123°C</li> <li>n are 1 bel and 5 bel. Then the ratio of their</li> <li>d) 1: 10<sup>2</sup></li> <li>used by this prism will be</li> <li>d) 6°</li> <li>y battery.</li> <li>d) 550 J</li> </ul> tive and zero ong +ve X-axis d) 45° d) none of these d) control rod d) 9

93.	Ratio of longest wavelengths corresponding to Lyman and Balmer series in hydrogen spectrum is:				
	a) $\frac{5}{22}$ b) $\frac{3}{22}$	$(1)\frac{7}{20}$	$d)\frac{9}{24}$		
		· · · · ·	a) <u>31</u>		
94.	According to quark model, the quark combination of a neutron is:				
95	If two inputs of a NAND gate are shorted the g	c) uu rate is equivalent to:	d) dd		
<i>J</i> <b>J</b> .	a) XOR b) OR	c) NOR	d) NOT		
96.	After 2 hours, $\frac{1}{16}$ th of the initial amount of a cer	rtain radioactive isotope r	remains undecayed. The half life of the isotope is		
	a) 15 min b) 30 min	c) 45 min	d) 60 min		
97.	An n-type semiconductor is	• • • • • •			
	a) negatively charged	b) positively charged	a manificante ale anno d		
98	c) neutral Which of the following statement about photon	d) may be negatively o	r positively charged		
90.	which of the following statement about photon	i is moneet:	hf		
	a) Photons exert no pressure	b) Momentum of photo	on is $\frac{1}{c}$		
	c) Photon's rest mass is zero	d) Photon's energy is h	f		
99.	The slope of frequency of incident light and sto	opping potential for a give	en surface will be		
	a) h b) h/e	c) eh	d) e		
100.	With the fall of temperature, the forbidden ener	rgy gap of a semiconduct	or		
	a) increases	d) competition increases	and sometimes decreases		
101	Lepthyology is the study of:	u) sometime increases	and sometimes decreases		
101.	a) fishes b) reptiles	c) bird	d) mammals		
102.	Primary basis of classification of protozoa is ba	sed on:	a) manimulo		
	a) locomotary organelle	b) size and shape			
	c) mode of feeding	d) mode of reproduction	on		
103.	In Paramecium, contractile vacuoles are meant f	for			
	a) food storage	b) osmoregulation			
	c) excretion	d) both b and c			
104.	Plasmodium vivax is transmitted by:				
	a) male culex	b) female culex			
405	c) male Anopheles	d) female Anopheles			
105.	One animal that doesn't perform locomotion is:	a) Namaia	d) Euclaria		
106	Common in earthworm and man is:	C) INEFEIS	d) Euglenu		
100.	a) hermaphrodite	b) ureotelic			
	c) schizocoelomate	d) organs grade of orga	anization		
107.	Mode of nutrition in earthworm is:	, 0 0 0			
	a) holozoic b) detritivorous	c) holophytic	d) autotropic		
108.	Part of alimentary canal of earthworm internal	y lined by cuticle;			
100	a) pharynx b) esophagus	c) gizzard	d) stomach		
109.	In earthworm porphyrin is found in:	1.)			
	a) ongitudinal muscles	d) circular muscles			
110	Foramen of Monro is	u) circulai inuscles			
110.	a) gap in pelvic girdle of rabbit				
	b) foramen in the skull of frog				
	c) space in brain of frog and rabbit				
	d) pore in the inter-auricular septum of mammal	ian heart			
111.	The animals of which phylum are called blasto	coelomate?			
110	a) annelida b) platyheminthes	c) nemathelminthes	d) arthropoda		
112.	excretion in Amoeba occurs through	a) contractila	d) concret had a surface		
113	Totinotent cell of sponges is	c) contractile	d) general body surface		
115.	a) chromocyte b) thesocyte	c) myocytes	d) archeocytes		
114.	Polymorphism is found in:	-,,,,	- ,,		
	a) <i>Hydra</i> b) coral	c) Physalia	d) sponges		
115.	Flame cell is present as excretory organ in				
	a) Annelida b) Platyhelminthes	c) Porifera	d) Mammalia		
116.	Giant cells help in	<b>.</b>			
115	a) reproduction b) digestion	c) circulation	d) excretion		
117.	which is the largest class of invertebrate?	a) Domitore	d) Incosta		
	ajratunopoua Djivionusca	c) i omera	uj ilisecta		

118.	Eye of the Mollusks g	roup that resembles the ver	tebrate eye is	
	a) Pelecypoda	b) Cephalopoda	c) Gastropoda	d) Scaphopoda
119.	"Tadpole larva" is the	larva of	, <b>,</b>	, <b>, , ,</b>
	a) frogs	b) Amphiorus	c) Herdmania	d) tongueworm
120	In malarial infaction w	which of the following gets	onlarged and secrets" h	alogithin" which doctrow RBC?
120.			emarged and secrete Tys	1) 1.
	a) liver	b) heart	c) spleen	d) skin
121.	Sporozoite is formed i	n		
	a) sporoblast	b) oocyst	c) merozoite	d) trophozoite
122.	Septa are absent in wh	ich segment of Pheretima	posthuma?	
	a) 8 <sup>th</sup>	b) 18-21 <sup>st</sup>	c) 1-4 <sup>th</sup>	d) 26 <sup>th</sup>
173	Which of the followin	a nonbridia is "Exanophtic	" in naturo?	u) 20
123.	vince of the following	g nephridia is Exonephric		
	a) septa nephridia		b) pharyngeal nephridia	
	c) integumentary neph	ridia	d) Bon A and B	
124.	Blood circulation in ea	rthworm is		
	a) open type	b) closed type	c) portal type	d) b and c
125	Which digestive gland	is absent in frog.	,1 ,1	,
	a) liver	b) paperoas	c) saliwary gland	d) poison gland
100		b) particleas		d) poison giand
126.	No. of external and int	ernal gills in tadpole of fro	bgs is	
	a) 3 pair and 3 pair	b) 4 pair and 4 pair	c) 3 pair and 4 pair	d) 4 pair and 3 pair
127.	Pyloric sphincter is pro	esent between		
	a) stomach and duoder	num	b) duodenum and jejunu	ım
	c) Ileum and caecum		d) oesophagus and stom	ach
128	Stool of person bas wh	nitish grav color due to mal	function of which nigma	nt?
120.	a) bilimubin	h) hiliwordin	a) atomachilin	d) unachnomo
	a) biiirubiii	b) billverulli	c) stercobiliti	a) urochrome
129.	Respiratory center is le	ocated in		
	a) hypothalamus	b) cerebellum	c) cerebrum	d) medulla oblongata
130.	Total no. of cartilage p	resent in the larynx of man	ı is:	
	a) 4	b) 6	c) 8	d) 9
131	Murmur occurs due to	defect in	,	,
101.	a)SA nodo	b) AV node	a) boart value	d) Purkinia fibra
100		b)Av node	·	d) i urkinje nore
132.	Branched tree like stru	icture present in cerebellui	n 15	
	a) pneumogastric nerve	e b) arbor vitae	c) arboreal vitae	d) areole vitae
133.	Urine formation occur	s in:		
	a) liver	b) kidnev	c)spleen	d) heart
134	Renin is produced by	which part of kidneys?	- <b>)</b> - <b>I</b>	,
101.	a) column of bollini	which pure of klubeys.	b) duct of bollini	
			b) duct of bennn	
	c) renal pyramid		d) Juxtaglomerular cell	
135.	Correct sequence of ce	ll stage in spermatogenesis	s is	
	a) spermatogonia, sper	matocyte, spermatid, spern	1	
	b) spermatocyte, sperm	natogonia, spermatid, spern	ı	
	c) spermatid sperm sr	permatogonia spermatocyte	2	
	d) snorm snormatid st	ormatoguta enermatogoni		
100	a) sperifi, sperifiatia, sp	····	a	
136.	Orra serrata is present	in:		
	a) eye	b) ear	c) nose	d) tongue
137.	Step ladder fever and	relative bradycardia are cli	nical features of	
	a) TB	b) Aids	c) typhoid	d) both A and C
138.	"BCG" vaccine is prev	entive measure of:	, , , , , , , , , , , , , , , , , , ,	,
	a) TB	b) typhoid	c) AIDS	d) cholera
120	Brown or containing	duct of	c) mbb	u) choiciú
139.	brown sugar is by pro			1)
	a) Heroin	b) LSD	c) Both A and B	d) none
140.	Sprain is caused due to	o inflammation of		
	a) tendon	b) ligament	c) bone	d) cartilage
141.	Vitelline membrane of	f egg is secreted by		
	a) Golgi body	b) F R	c) Nucleus	d) Cell membrane
140	Which organollo is kn	$\frac{\partial (\mathbf{r})}{\partial \mathbf{r}} = \frac{\partial (\mathbf{r})}{\partial \mathbf{r}}$	c) i vacicas	u) cen memorare
142.	Vilicit organiene is kno			
	a) Chloroplast	b) Mitochondria	c) E.K.	d) Golgi Bodies
143.	Smallest cell organelle	e is		
	a) Peroxisome	b) Mitochondria	c) Ribosome	d) Lysosome
144.	Sequence of cell cycle	is		
	1 set set syste	$\mathbf{h} \in \mathcal{L} \times \mathcal{L} \times \mathcal{L}$	$c \to M \to C_{2} \to S$	d) $S \rightarrow G \rightarrow C \rightarrow M$
	a) $G \rightarrow S \rightarrow G \rightarrow M$			
145	a) $G_1 \rightarrow S \rightarrow G_2 \rightarrow M$	$b_1 G_1 \rightarrow G_2 \rightarrow S \rightarrow M$	$C_{1} = C_{1} = C_{1$	$\mathbf{u}$
145.	a) $G_1 \rightarrow S \rightarrow G_2 \rightarrow M$ Which is mitotic poiso	b) $G_1 \rightarrow G_2 \rightarrow S \rightarrow M$	$C) G_1 \rightarrow W_1 \rightarrow G_2 \rightarrow S$	$\mathbf{A}_{1} = \mathbf{C}_{1} + \mathbf{C}_{2} + \mathbf{C}_{1}$
145.	a) $G_1 \rightarrow S \rightarrow G_2 \rightarrow M$ Which is mitotic poiso a) Colchicine	b) $G_1 \rightarrow G_2 \rightarrow S \rightarrow M$ n? b) Nitrate	c) $CO_2$	d) Trehalose
145. 146.	a) $G_1 \rightarrow S \rightarrow G_2 \rightarrow M$ Which is mitotic poiso a) Colchicine Synaptonemal comple	b) $G_1 \rightarrow G_2 \rightarrow S \rightarrow M$ <b>n?</b> b) Nitrate <b>x is formed between home</b>	c) CO <sub>2</sub> logous chromosomes in	d) Trehalose

147.	Virus is considered to b	e naked in absence of		
	a) Envelope	b) Protein	c) DNA	d) All membrane
148.	Inert and complete viru	is outside the host cell is		
	a) Viroids	b) Virions	c) Bacteriophage	d) Parasite
149.	Fucoxanthin is main pig	gment of		
150.	a) Phaeophyceae <b>Yeast is rich source of</b>	b) Rhodoplayceae	c) Chlorophyceae	d) Cyanophyceae
151.	a) Vit-B complex <b>Protonema is</b>	b) Vit A	c) Vit C	d) Vit K
	a) Diploid and is found	in liverworts	b) Haploid and is found	in mosses
	c) Diploid and is found	in pteridophytes	d) Haploid and is found	in pteridophytes
152.	Stele includes		, I	
	a) Vascular tissue	b) Pith	c) Pericycle	d) All of these
153.	Albuminous tissues are	e characteristics of		
	a) Gymnosperm	b) Angiosperm	c) Pteridophytes	d) Bryophytes
154.	Mendel's second law is			
	a) Segregation		b) Dominance	
	(c) Independent assortm	nent	d) Polygenic inheritance	
155.	Test cross is a cross bet	ween		
	a) Hybrid × dominant		b) Hybrid $\times$ recessive	
	c) Hybrid × Hybrid		d) Recessive × Recessive	
156.	Chromosomes are made	e up of		
	a) DNA	b) RNA	c) Proteins	d) DNA, RNA and Proteins
157.	Centromere is also refe	rred to as		
	a) Chromocenter		b) Primary constriction (	or kinetochore)
150	c) Secondary constrictio	n •	a) Chromosomes	
158.	Co-inneritance of gene	in same chromosome is		1 4 11 1
150	a) Linkage	b) Crossing over	c) Epistasis	d) Allele
159.	KNA is the site for		h) Carlesbardurate armithes	:-
	a) Respiration		b) Carbonydrate synthes	515
1(0	c) Protein syntnesis		a) Metabolism	
160.	vonen a dinybrid ratio	is obtained in a ratio of 1:4	(b) Complementary concerns	represents
	a) Complementary gene		d) Disistraria sorras	
161	c) rolygenic inheritance	nollon chambor which ad	a) Fleiotropic genes	called
101.	a) Tanatum	b) Endotholium	s as the nutritive layer is	d) Device or an
167	a) Tapetum Ubish hadias ara provid	dod by	c) Endomecium	d) rensperin
102.	a) Tanotum	b) Pollon kit	c) Evino	d) Intino
163	Development of fruit w	vithout fortilization is call	d	d) intile
105.	a) Parthenogenesis	h) Parthenocarny	c) Heterosis	d) Oogenesis
164.	Which of the following	is commonly used bacter	ia in the field of plant ge	netic engineering?
	a) E.coli	b) <i>Rhizobium</i>	c) Agrobacterium	d) <i>Macrobacterium</i>
165.	Green manure can be p	repared by	/ 0	,
	a) addition of chlorophy	ll in chemical fertilizer		
	b) ploughing down gree	en crop in field		
	c) storage of green leave	es in a water tonic for few d	lays	
	d) cow dung			
166.	Megasporophylls of gy	mnosperm is		
	a) Carpel	b) Corolla	c) Stamen	d) Female cone
167.	Inflorescence and fruit	of sunflower are		
	a) Capitulum and achen	le 1-	b) Corymb and capsella	
169	c) Capitulum and cypse	la	d) Corymb and achene	
108.	in <i>Trapa</i> , some of the ro	b) Assimilatory	a) Pospiratory	d) Floating
160	a) Aerial Edible part of apple is	b) Assimilatory	c) Respiratory	a) Floating
109.	a) Enjcarn and mesocar	n	h) Pericarp	
	c) Placenta and pericarp	ř (	d) Thalamus	
170	Verticillaster is an evan	nple of		
	a) Phyllotaxy	b) Fruit	c) Inflorescence	d) Shrub
171.	Androecium in Papilio	naceae is	-,	-,
	a) $A_{1+9}$ b) $A_{9+1}$ c) $A_{1+(9)}$ d) $A_{(9)+1}$			
172.	Syngenesious anther an	nd basal placentation are t	he characteristic features	of
	a) Cruciferae	b) Caesalpinaceae	c) Poaceae	d) Asteraceae

173.	Plants growing on san	dy soil are called		
	a) Lithophytes	b) Psychrophytes	c) Psammophytes	d) Oxylophytes
174.	Eutrophication is obs	erved in	\ <b>1</b> .	
175	a) Lakes and ponds b) rocks c) desert d) Saline soils			
175.	a) Tourism	usative factors of deserting	b) Overgrazing	
	c) Developmental activ	ities	d) Irrigated agriculture	
176.	The different forms of	interbreeding species that	t live in different geogra	phical regions are called
	a) Sibling species	b) Sympatric species	c) Allopatric species	d) Monotypic species
177.	Monoclonal antibodie	s are produce by		
	a) Fermentation	-	b) Distillation	
	c) Hybridoma technolo	gy	d) Condensation	
178.	Bio-fertilizer in crop is	s improved by supplement	ing	
	a) Phosphate fertilizer	b) Nitrogen fertilizer	c) Urea	d) Calcium fertilizer
179.	Largest ovule in plant	kingdom is present in	a) Duran ta nia	
100	a) Cycas Bollon grains are shad	b) Pinus	c) Dryopteris	d) Angiosperm
180.	a) 4 collect stages	b) 2 colled stage	a) 2 colled stage	d) Multi colled stage
181	Rahi is 30km North-Fa	of Rajan If Rahul is 301	c) 2 celled stage	Now say Rabul is which direction of Rabi?
101.	a) Fast	b) West	c) North	d) South
182.	A mother said to her d	laughter "I was equal of ve	our present age when vo	u were born." Now mother is 40. Then, find the
10	present age of daughte	er?	our present age mien jo	
	a) 15 yrs.	b) 25 yrs.	c) 20 yrs.	d) 22 yrs.
183.	Complete the series; D	), N, O, S, A, J,?	/ 5	, ,
	a) J	b) D	c) N	d) S
184.	In a certain code 'tok r	nil yat' means "eat healthy	food" 'ke rot mil' means	"food gives energy", 'Amd zot ke' means "Give
	me bread". Which wor	d in that code means energ	gy?	
	a) ke	b) rot	c) mil	d) tok
185.	On selling 17 balls at l	Rs. 720, there is a loss equa	l to the cost price of 5 ba	lls. The cost price of a ball is
	a) Rs. 60	b) Rs. 55	c) Rs. 50	d) Rs. 45
186.	1, 1, 2, 3, 5, 8, 13, 21, 34	,?		
	a) 53	b) 54	c) 55	d) 56
187.	If + means –, – means	×, ÷ means + and × means	$\div$ then 20 – 8 + 20 × 10 $\div$ 1	10 =?
100	a) 167	b) 168	c) 769	d) 170
188.	In the series 5, 12, 19, $2$	1) 00	(-) 102	1) 105
100	a) 110	b) 98	(C) 103	a) 105
169.				
	13 54 ?			
	7 15 32			
	7 43 32			
	27   144   68			
	a) 36	b) 5	c) 6	d) 4
190	Which of the followin	σ is water image of given τ	vord	u) =
190.		g is water image of given v	Volu.	
191.	Nakul is taller than N	abin but not taller as Loke	endra, Kamesh is shorter	r than Nakul but taller than Netra. Who among
	them is the shortest?			
	a) Nakul	b) Nabin	c) Netra	d) Can't be determined
192.	In a group of persons,	70% of the person are male	e and 30% of the person a	are married. If two seventh of males are married,
	what fraction of the re 2/7	h) 2/2	) 1/2	d) 2 / 7
102	$a_j \perp / /$	uj 2/0 e so hens 15 goots 8 como	UID come man to leal	u) J/ /
193.	In one nouse, there are so nens, 45 goats, 8 camels and some man to look after them. If the number of legs is more than number of heads by 214. Find the number of mon			
	a) 4	b) 8	c) 10	d) 5
194.	Count no. of rectangle	s.	-/	- / -
	<b>ل</b> ا	b) 11	a) 1 <b>2</b>	d) 12
	a) 10	0) 11	C) 12	u) 13



♦♦♦ Thank You !!! ♦♦♦