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01.	The worong unit conversion among the following	06.	Which one of the following motions on a smooth
	is		plane surface does not involve force?
	(1) 1 angstrom 10^{-10}		(1) Accelerated motion in a straight line
	(i) I digstrom $\equiv 10$ []]		(2) Retarted motion in a stragith line.
	(2) 1 fehmi _{=10⁻¹⁵m}		(3) Motion with constant momentum along a
	(3) 1 light year = 9.46 × 10 ¹⁵ m		straight line.
	(4) 1 astronomical unit -1.496×10^{-11} m		velocity
02	Choose the wrong statement	07	Pick out the wrong statement
02.	(1) the motion of an object along a straight line	071	(1) Newton's laws of motion hold good for both
	is a rectilinear motion		inertial and non-inertial frames
	(2) The speed in general is less than the		(2) During explosion, linear momentum is
	magnitude of the velocity		conserved
	(3) The slope of the displacement-time grpha		(3) Area under force-time graph gives the
	gives the velocity of the body		magnitude of impulse
	(4) The area under the velocity-time graph gives		(4) Force of friction is zero when no driving force
	the displacement of the body.		is applied
03.	The displacement of a particles as a function of	08.	Two bodies of different masses are moving with
	time is shown in figure. It indicates that		same kinetic energy. Then the ratio of their
			momenta is equal to the ratio of their
	E		(1) masses (2) square of masses
		00	(3) square of root masses (4) Inverse of masses
	ant of the second secon	09.	Two bodies of masses T kg and 2 kg moving with
	Ĕ 20		Then the ratio of their stopping distances is
			(1) $1 \cdot 2$ (2) $2 \cdot 1$
			(1) (2) (2) (4) (5)
		10	$(3) \sqrt{2}:1$ $(4) 1:\sqrt{2}$
	10 20 30 40 50	10.	If two circular discs A and B are of same mass
	Time in sec		but of radii r and 2r respectively, then the
	(1) The velocity of the particle is constant throughout		(1) the same as that of P
	(2) The acceleration of the particle is constant		(1) the same as that of B
	throughout		(3) four times that B
	(3) The particle starts with a constant velocity		(4) one-fourth that of B
	and is accelerated	11.	Choose the wrong statement.
	(4) the motion is retartded and finally the particle		(1) The centre of mass of a uniform circular ring
04	Slups The range of a the projectile, is D when the apple		is at its geometrical centre.
04.			(2) Moment of Inertia is a scalar quantity
	of projection is 40° . For the same velocity of		(4) For same mass and radius, the moment of
	projection and range, the other possible angle of		ipertia of a ring is twice that of a uniform disc
	projection is	12	Orbital velocity of earth satellite does not depend
	(1) 45^{0} (2) 50^{0} (3) 60^{0} (4) 40^{0}	12.	on
05.	The scalar quantity among the following is		(1) Mass of the earth
	(1) weight of body		(2) mass of the satellite
	(2) temperature gradient		(3) radius of the orbit
	(3) magnetic field strength		(4) acceleration due to gravity
	(4) elecric potential		

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13.	Gravitational potentia m at a height of h at (M = mass of the earth (1) $\frac{GMm}{h}$	I energy of a body of mass bove the surface of earth h, R = radius of earth) is (2) $\frac{GMm}{(R+h)}$	20.	(1) 1 : 2 (3) 1: $\sqrt{2}$ A pendulum of time planet wh twice that of earth. T planet is (in second)	(2) 2 : 1 (4) $\sqrt{2}$: 1 period 2s on earth is taken lose mass and diameter are Then its time period on the
	(3) $\frac{-GM}{(R+h)}$	$(4) - \frac{GMm}{(R+h)}$		(1) $\frac{1}{2}$	(2) $2\sqrt{2}$
14.	A boat carrying a few r in a water tank. If the water, the water level (1) rises till half the unloaded and then be (2) remains unchange (3) rises	number of big stones floats stones are unloaded into e number of stones are gins to fall ed	21.	(3) $\frac{1}{\sqrt{2}}$ The physical quantit in simple harmonic (1) Kinetic energy (3) restoring force	 (4) 2 ty which remains constant motion is (2) potential energy (4) frequency
15.	 (4) falls Two wires of same lebut of radii r and 2 r and f respectively to p The ratio F to f is (1) 1 : 1 (3) 2 : 1 	ength and same material are stretched by forces F produce equal elongation. (2) 1 : 2 (4) 1 : 4	22. 23.	Sound waves (1) can be polarized (2) can exhibite diffra (3) can travel in free (4) travel slower in the If a closed organ per harmonic frequency	action space han liquids in air bipe has the same third as that of an open organ
16.	Choose the correct st (1) Terminal velocity proportional to square (2) Water proof agent contact between wate (3) Detergents increase water (4) Hydraulic machine	atement ties of rain drops are of their radii ts decrease the angle of r and fibres. se the surface tension of es work on the principle of	24.	pipe, then their resp ratio (1) 1 : 1 (3) 1 : 4 A particle of mass equilibrium between having potential diffe apart by 0.02 m. Ther	bectively lengths are in the (2) $1:2$ (4) $3:4$ 5 1.96×10^{-15} kg is kept in two horizontal metal plates because of 400 V separated in the charge on the particle
17. 18.	I orricelli's law If ΔU represents the energy and W the thermodynamic system (1) $\Delta U = -W$ is an isotem (2) $\Delta U = W$ is an isotem (3) $\Delta U = -W$ is an adding (4) $\Delta U = W$ is an adding If the energy input of the work it performed to	ne increase in internal e work done by the m, then thermal process nermal process abatic process batic process a Carnot engine is thrice	25.	 is (e = electronic chains) (1) 3e (3) 2e Two small spherical positive charge of 90 placed such that the 10m. If P is a point in electric field intensity of the point P from the spherical sph	arge, g = 9.8m/s ²) (2) 6e (4) 5e shells A and B are given C and 4C respectively and ir centres are separated by n between them where the y is zero, then the distance he centre of A is
19.	(1) $\frac{1}{3}$ (2) $\frac{1}{4}$ The ratio of rms speed at pressure P to that a	(3) $\frac{2}{5}$ (4) $\frac{2}{3}$ l of an ideal gas molecules at pressure 2P is	26.	 (1) 5m (3) 7m Identify the wrong st (1) Charge is a vector (2) Current is a scala (3) Charge can be qu (4) Charge is additive 	(2) 6m (4) 8 m tatement r quantity ar quantity antised e in nature
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uniform, then the quantity that remain constant along the conductor is (1) Current density (2) electric field	resistance R changes by $\Delta \phi$ in a time Δt . Then the total quantity of charge Q that passes at any point in the circuit during time Δt is
(3) electric potential (4) current 28. The potential difference $(V_A - V_B)$ between the	(1) $\frac{\Delta\phi}{R}$ (2) $\frac{1}{R}\frac{\Delta\phi}{\Delta t}$
points A and B in the given figure is $V_A \xrightarrow{2\Omega} + {}^{3V} \xrightarrow{1\Omega} V_B$ $A \xrightarrow{1=2A} B$ (1) -3V (2) +3V (3) +6V (4) +9V 20 The class of the graph character the variation of	(3) $R \frac{\Delta \phi}{\Delta t}$ (4) $\frac{\Delta \phi}{\Delta t}$ 34. In an LCR series resonant circuit, the capacitance is changed from C to 4C. For the same resonant frequency, the inductance should be changed from L to
 29. The slope of the graph showing the variation of potential difference V on x-axis and current on y-axis gives conductor's (1) resistance (2) resistivity 	(1) 2L (2) $\frac{L}{2}$ (3) 4L (4) $\frac{L}{4}$
 (3) reciprocal of resistance (4) conductivity 30. An arrangement of three parallel straight wires placed perpendicular to plane of paper carrying same current 'l' along the same direction as shown in figure. Magnitude of force per unit 	 35. Changing magnetic fields can set up current loops in nearby metal bodies and the currents are called as (1) eddy currents (2) Flux currents (3) alternating currents (4) leakage currents
length on the middle wire 'B' is given by $B = \frac{d}{90^{\circ}} e^{C}$	 36. The energy of the em waves is of the order of 15 keV. To which part of the spectrum does a belong? (1) Ultraviolet rays (2) γ - rays (3) X-rays (4) Infra-red rays
(1) $\frac{\pi d}{\pi d}$ (2) $\frac{\sqrt{2}\mu_0 l^2}{\pi d}$ A \textcircled{d}	 37. The magnifying power of a convex lens of focal length 10 cm when the image is formed at the near point is (1) 6 (2) 5.5
(3) $\frac{\mu_0 l^2}{\sqrt{2}\pi d}$ (4) $\frac{\mu_0 l^2}{2\pi d}$ 31. When the temperature of a magnetic material	 (3) 4 (4) 3.5 38. The waves that require is medium to travel is (1) infrared radiation (2) ultraviolet radiation
decreases, the magnetization (1) decreases in a diamagnetic material (2) decreases in a paramagnetic matrial (3) decreases in a ferromagnetic material (4) remain the same in a diamagnetic material	 (3) visible light (4) Ultrasound 39. The intensity at the maximum in a Young's double slit experiment is I₀. Distance between
 32. The magnetic field at the centre of a circular coil carrying current I ampere is B. If the coil is bent into smaller circular coil of n turns, its magnetic field at he centre is B'. The ratio between B' and B is 	two slits is $d = 5\lambda$, where λ is the wavelength of light used in the experiment. What will be the intensity in front of one of the slits on the screen placed at a distance D = 10d?
(1) 1 : 1 (2) n : 1 (3) $p^2 : 1$ (2) $2n : 1$	(1) $\frac{3}{4}I_0$ (2) $\frac{10}{2}$ (3) I_0 (4) $\frac{10}{4}$
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40.	The ratio of the respective de Brogl wavelengths associated with electron accelerates from rest with the voltage 100V, 200 and 300 V is (1) 1 : 2 : 3 (2) 1 : 4 : 9	ie 47. ns DV	In which sequence written ag (1) CO ₂ < S oxidising	of the following arrangments the is not strictly according to the property painst is $SiO_2 < SnO_2 < pbO_2$: Increasing power
	(3) $1: \frac{1}{\sqrt{2}}: \frac{1}{\sqrt{3}}$ (4) $1: \frac{1}{2}: \frac{1}{3}$		(2) HF < H strength	HCI < HBr < HI : Increasing acidic
41.	A radioactive source of half-life 2 hours em radiation of intensity which is 64 times the permissible safe level. The minimum time	ts ne in	 (3) NH₃ < F strength (4) B < C < 	$PH_3 < AsH_3 < SbH_3$: Increasing basic C < N : Increasing first ionization enthalpy
	safely with the source is (1) 12 (2) 8 (3) 6 (4) 24	rк 48.	Ammoniui (1) Ammor (2) Nitrous (3) Nitroge	m nitrate decomposes on Heating into nia and nitric acid s oxide and water en, Hydrogen, and ozone
42.	Nuclear fusion is not found in		(4) Nitric o	ixide, Nitrogen dioxide and hydrogen
	(1) thermonuclear reactor(2) bydrogen bomb	49.	IUPAC nai	me of $[Pt(NH_3)(Br)(NO_2)CI]CI$ is
43.	 (2) Hydrogen bornb (3) energy of production in sun (4) atom bomb The approximate ratio of nuclear mass densiti 	es	(1) Ammin (2) Triamm (3) Ammir	echlorobromonitroplatinum (iv) chloride inebromonitrochloroplatinum(iv) chloride nebromochloronitroplatinum (iv)
	of $^{197}_{79}$ Au and $^{107}_{47}$ Ag nuclei is		(4) Ammir	nenitrochlorobromoplatinum (iv)
44.	 (1) 197:107 (2) 47:79 (3) 79:47 (4) 1:1 Identify the gate used in the following diagra 	50. m	chloride Match list and select	I (molecules) with list II (Boiling point) the correct answer
			List –I	List – II
	B GATE Output	t	(A) NH ₃ (B) PH ₃	(i) 290 K (ii) 211 K
			(C) AsH ₃	(iii) 186 K
	(3) NAND (4) NOR		(D) SbH ₃	(iv)264 K
45.	Acceptor level in p-type semiconductors lies		(E) BiH ₃	(v) 240 K
	(1) nearer to the conduction band(2) at the middle of conduction band and valen	се	Α	B C D E
	band		(1) iii (2) v	
	(3) within the valence band		(2) v (3) i i	v v II III
46	The wavelength of H line of halmer series	is	(4) i i	i iii iv v
40.		51.	Incorrect	statement in electrolysis of Al_2O_3 by
	$X \stackrel{\circ}{A}$. What is the wavelength of H_{β} of Balm	er	Hall Herou	alt process is
	series		(1) Cryolite	e lowers the melting point of AI_2O_3 and
	(1) $\frac{108 \times 0}{80} \text{ A}$ (2) $\frac{80 \times 0}{108} \text{ A}$		(2) Al is ob	tained at cathode and CO_2 at anode
	(2) $\frac{80}{0}$ $\frac{0}{0}$ (4) $\frac{108}{0}$		(3) CaF ₂ d	ecreases the viscosity of electrolytic solution
	$(3) \frac{108X}{108X} $ $(4) \frac{1}{80X} $		(4) MgF ₂ c	an be used in place of CaF_2
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	(1) 55.11 mm Hg, 0.732		77.	If $S + O_2 \rightarrow SO_2$, $\Delta H = -29$	8.2kJ mole ⁻¹
	(2) 66.11mm Hg, 0.656				
	(3) 77.22 mm Hg, 0.342			$SO_2 + \frac{-}{2}O_2 \rightarrow SO_3, \Delta H =$	= -98.7 KJ mole 1
	(4) 33.11mm Hg, 0.656			$SO_3 + H_2O \rightarrow H_2SO_4$, Δ	$H = -130.2 \text{kJ} \text{ mole}^{-1}$
71.	A weak acid HA has $K_a =$ molar ratio of this acid a base so that pH of the bu	10 ⁻⁶ , what would be the and its salt with strong uffer solution is 5		$H_2 + \frac{1}{2}O_2 \rightarrow H_2O, \Delta H =$	= -287.3kJ mole ⁻¹
	(1) 10	(2) $\frac{1}{10}$		be	$D_1 0 D_2 3 O_4 at 296 K Will$
	(3) 1	(4) 2		(1) –814.4 kJ mol ⁻¹	(2) +814.4 kJ mol ⁻¹
72.	Which will give the usua	al test for iron		(3) –650.3 kJ mol ⁻¹	(4) +650.3 kJ mol ⁻¹
	(1) $(NH_4)_2 SO_4$. $Fe_2(SO_4)_3$.	24H ₂ O	78.	If the radius of CI^{-1} ion	is 181 pm and the radius
	(2) $K_4[Fe(CN)_6]$			of Na^+ is 101 pm then	the edge length of unit
	(4) All of these			(1) 282 pm	(2) 564 pm
73.	A solution of 'X' mole o	f sucrose in 100 gm of		(3) 285.71pm	(4) 512 pm
74.	freezing point goes down grams ice would have se (1) 18 gm (3) 30 gm Molecular weight of KE equivalent weight. If the $BrO_2^- \longrightarrow Br^-$ acidic m	to -0.25° C. How many eparated. (2) 80 gm (4) 20 gm BrO ₃ is M. What is its e reaction medium	79.	If for $2A_2B(g) \longrightarrow 2$ pressure (at equilibr dissociation from 4 mo statement is (1) Degree of dissociation (2) Total number of mol 16/	$A_2(g) + B_2(g), K_p = total$ ium) and starting the l. of A_2B , then incorrect on of A_2B will be (2/3) es at equilibrium will be
75.	(1) M (3) M / 6 1g of an organic compou an Kjeldahl's method r H_2SO_4 for neutralization	(2) M / 3 (4) M / 2 Ind containing Nitrogen required 40 ml of N/5 n of NH ₃ . Percentage of		 /3 (3) At equilibrium the r are equal to number of (4) At equilibrium the 	number of moles of A_2B moles of B_2 number of mole of A_2B
76.	nitrogen will be (1) 2.24 % (3) 22.4 % In AB type solid (NaCl atoms along a body diag What will be the the remaining unit cell ?	(2) 1.12 % (4) 11.2 % type structure) all the gonal has been remove. empirical formula of	80.	 are equal to the number The incorrect order is (1) HF < HCI < HBr < HI (2) HF > HCI > HBr > HI (3) HF > HCI > HBr > HI (4) HF > HCI > HBr > HI 	 r of moles of A₂ : acidic strength : Thermal stability : Boiling point : Bond dissociation
	(1) A_2B_3	(2) A_5B_4	81.	Tranquilizers is	еншару
	(3) A_4B_5	(4) A_3B_2		(1) Heroin (3) Prontosil	(2) Iproniazid (4) Azodye





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109	Each step in classifiction respresents a :-	117.	Radial symmetry is not found in :-
	(1) Rank (2) Category		(1) Brain coral (2) Pleurobrachia
	(3) Taxon (4) All of the above		(3) Scypha (4) Nereis
110.	The range of known and described species is :-	118.	Match the column (A) and (B)
	(1) $1.5 - 1.8$ million (2) $1.6 - 1.7$ million		Column A Column B
	(3) $1.7 - 1.8$ million (4) $1.8 - 1.9$ million		(i) Marginal placentation (a) Marigold
111.	The fungus without mycelium is :-		(ii) Axile placentation (b) Dianthus
	(1) Rhizopus (2) Mucor		(iii) Parietal placentation (c) Argemone
	(3) Saccharomyces (4) Puccinia		(iv)Free central placentation (d) Chinarose
112.	Match the column I with column II choose the		(v) Basal placentation (e) Pea
	correct option :-		(1) a - (v) b - (iv) c - (iii) d - (ii) e - (i)
	Column I Column II		(2) a - (v) b - (iii) c - (iv) d - (i) e - (ii)
	(a) Phycomycetes – (1) Rust fungus		(3) a - (iv) b - (iii) c - (v) d - (ii) e - (i)
	(b) Ascomycetes – (2) Trichoderma		(4) a - (i) b - (v) c - (iv) d - (iii) e - (ii)
	(c) Basidiomycetes – (3) Neurospora	119.	Sphagnum is commonly used as packing
	(d) Deuteromycetes – (4) Bread mould		material for transshipment of living material due
	(1) $a - 4$ $b - 3$ $c - 2$ $d - 1$		to its
	(2) a - 3 b - 4 c - 1 d - 2		(1) capacity to hold water
	(3) a - 3 b - 4 c - 2 d - 1		(2) easy availability
	(4) a - 4 b - 3 c - 1 d - 2		(3) nature as it can grow any where
113.	Statement A : In Rhodophyceae, food is stored		(4) all of the above
	as mannitol and laminarin	120.	Secretin :-
	Statement B : Ovules of Gymnosperms are not		(1) Stimulates enzyme secretion by pancreas,
	enclosed by ovary wall		inhibits acid secretion in stomach, stimulates
	(1) Statement B is correct and statement A is wrong		gall bladder.
	(2) Both the statement A and B are correct		(2) Stimulates bicarbonates secretion by
	(3) Statement A is correct and statement B is wrong		pancreas, inhibits acid secretion in stomach,
	(4) Both the statement A and B are wrong		stimulates bicarbonate secretion by liver
114.	Which is the oviparous mammal ?		(3) Stimulates acid secretion in stomach,
	(1) Balaenoptera (2) Pteropus		potentiater action of CCK, inhibits intestinal
	(3) Ornithorynchus (4) macropus		movement
115.	The environment (Protection) Act to protect and		(4) Stimulates gallbladder, inhibits acid
	improve the quantity of environment (air, water		secretion in stomach, stimulates bicarbonate
	and soil) was passed by the Government of India		secretion by pancreas.
	in the year :-	121.	Which is the edible fungi?
	(1) 1971 (2) 1974		(1) Penicillium (2) Mucor
	(3) 1981 (4) 1986		(3) Buffles (4) Rhizopus
116.	Recognise the figure and find suitable matching	122.	Which is absent in most of the monocotyledons?
	:-		(1) Collenchyma
			(2) Phloem parenchyma

- Heterocyst Mucilagenoous sheath
- (1) Blue green algae
- (2) Non-Filamentous blue green algae
- (3) Filamentous blue green algae
- (4) Green algae

(3) Xylem parenchyma

belongs to the class :-

123. Identify the figure and find out that this plant

(4) Both (1) and (2)

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- (1) Pteridophytes
- (2) Bryophytes (4) Lycopsida (3) Sphenopsida
- 124. An organism in the following figure is :-



- (1) monoecious
- (2) Dioecious

(3) Hermaphrodite (4) Both (1) and (3)

- 125. Late wood is also called <u>a</u> wood and formed in the b season.
 - (1) (a) spring, (b) Autumn
 - (2) (a) Autumn (b) Spring
 - (3) (a) spring (b) Winter
 - (4) (a) Autumn (b) Winter
- 126. Bad ozone is found in :-
- (1) Troposphere
 - (2) Stratosphere
 - (3) Thermosphere
 - (4) Both (1) and (3)
- 127. Read the following statements :-
 - (a) Majority of the pteridophytes are heterosporous
 - (b) Gymnosperms are usually heterosporous
 - (c) Microphylls are found in ferns
 - (d) Dicotyledonae is the class of pea
 - Which statement is / are incorrect ?
 - (1) (d) only (2) (a) and (b)
 - (3) (a) and (c) (4) (c) only
- 128. Which of the following structure leads to the formation of vertebral column in adult vertebrates



(2) c

(4) a

- (1) d (3) b
- 129. Number of male and female gential pores in earthworm is respectively :-
 - (1) 1, 1 (2) 1, 2 (3) 2, 1 (4) 2, 2

- 130. Which is a part of endomembrane system of eukaryotic cells?
 - (1) Mitochondria
 - (2) Peroxysomes (4) Golgi bodies
- (3) Chloroplasts 131. Match the column I with column II and choose
- the correct option. Column I Column II
 - (a) chlorophyceae -
 - (b) Phaeophyceae (c) Rhodophyceae -
- (2) Dictyota (3) Chara

(1) Porphyra

- с-3
- (1) a 1 b – 2 c – 1
- (2) a 3 b – 2 (3) a – 2
 - b 1 c – 3
- (4) a 1 b – 3 c – 2
- 132. Find out the floral formula on the basis of above diagram



- (1) % $\oint_{+}^{+} K_{(5)} C_{1+2+(2)} A_{(9)+1} G_{1}$ (2) % $\oint_{+}^{+} K_{(5)} C_{1+2+2} A_{(9)+1} G_{1}$ (3) $\bigoplus_{+}^{+} K_{(5)} C_{(5)} A_{(9)+1} G_{(2)}$

- (4) $\oplus \delta' K_{(5)} C_{(5)} A_{(9)+1} G_{(3)}$
- 133. In female cockroach brood or gential pouch is formed by :-
 - (1) 8th, 9th and 10th sterna
 - (2) 8th, 9th and 10th terga
 - (3) 7th, 8th and 9th sterna
 - (4) 7th, 8th and 9th terga
- 134. In cholesterol, how many hydroxyl group is present?
 - (1) 4 (2) 3 (3) 2 (4) 1
- 135. The site of attachment of spindle fibre, is (2) kinetochore (1) centromere
 - (3) chromomere
 - (4) Secondary constriction
- 136. The form of sugar transported through phloem is :-
 - (1) Glucose (2) Starch
 - (3) Sucrose (4) Fructose
- 137. Nitrifying bacteria :-
 - (1) Convert free nitrogen to nitrogen compounds
 - (2) Convert proteins into ammonia
 - (3) Reduce nitrates to free nitrogen
 - (4) Oxidize ammonia to nitrates

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156.	56. The portion of the myofibril between two				
	successive z-lines is called :-				
	(1) H–zone (2) Sarcomere				
	(3) Functional unit of contraction				
	(4) Both (2) and (3)				
157.	The fluid filled inner ear	called :-			
1071	(1) Oval window	(2) Labyrinth			
	(3) Cochlea				
	(4) Mombranous Jabyrint	h			
150	(4) Membranous labyring	adulla ara commonly			
158.		ledulla are commonly			
	(1) Characteria	(\mathbf{O}) N discourse la solution de la de			
	(1) Glucocorticoids	(2) Mineralocorticoids			
	(3) Adrenaline	(4) Catecholamines			
159.	Spermatogenesis is regu	lated by :-			
	(1) Androgen	(2) FSH			
	(3) LH	(4) Both (1) and (2)			
160.	PCT is lined by :-				
	(1) Simple squamous ep	ithelium			
	(2) Simple cuboidal epith	nelium			
	(3) Simple columnar epi	thelium			
	(4) ciliated epithelium				
161.	Match the column I with	column II and choose			
	the correct option '-				
	Column I	Column II			
	(a) Earthwarm	(1) Monoecious			
	(b) Cockroach	(2) Dioocious			
	(c) Marchantia				
	(c) Marchantia (d) Chara				
	$(1) a - 2 \qquad D - 1$	C = I $d = 2$			
	(2) a - 1 b - 2	c – 2 d – 1			
	(3) a – 2 b – 1	c – 2 d – 1			
	(4) a – 1 b – 2	c – 1 d – 2			
162.	Pea is an example of :-				
	Bisexual, cross fertilizing plant				
	(2) Bisexual, self - fertiliz	zing plant			
	(3) Unisexual, cross - fer	tilizing plant			
	(4) Unisexual, self-fertili	zing plant			
163.	Arrangement of nuclei ir	n normal dicot embryo			
	sac is :-	5			
	(1) 3 + 3 + 2	(2) 2 + 4 + 2			
	(3) 3 + 2 + 3	(4) 2 + 3 + 3			
164	Several mammary ducts	ioin to form a -			
104.	(1) Mammary Johas	(2) Mammary alveoli			
	(1) Mammary appulla	(4) Lactiforous duct			
145	Surgical mathed of contr	(+) Lacine Jus uucl			
105.	(1) Compto formation	aception prevent :-			
	(1) Gamete tormation				
	(2) Gamete transport				
	(3) Gamete development				
	(4) Gamete maturation				

166. Study the pedigree chart given below, what does it show ?

(1) Myotonic dystrophy (2) Sickle cell anaemia (3) Haemophilia (4) Down's syndrome 167. Histones proteins are rich in :-(1) Histidine and arginine (2) Histidine and lysine (3) Histidine, arginine and lysine (4) Arginine and lysine 168. The VNTR belongs to a class of satellite DNA referred to as :-(1) Repetative DNA (2) Mega satellite (3) Mini - satellite (4) Micro - satellite 169. Strobilanthus kunthiana is mainly found in (1) Kerala, karnataka and orissa (2) kerala, karnataka and maharastra (3) kerala, karnataka and Tamilnadu (4) Kerala and sri lanka 170. Date palm prevents :-(1) Autogamy (2) Geitonogamy (3) Xenogamy (4) Both (1) and (2) 171. Gonadotropins are released from (1) Hypothalamus (2) Anterior pituitary (3) Posterior pituitary (4) Ovary

172. The figure shown below represents :-



(1) Morula

(2) Blastocyst

- (3) Gastrula (4) Ampulla
- 173. Female condom is used to cover
 - (1) Vagina (2) Cervix
 - (3) Vagina, cervix and uterus
 - (4) Vagina and cervix

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FULL TEST - IV

- 174. Tasmanian wolf is a marsupial while wolf is a placental mammal. This shows:-
 - (1) Convergent evolution
 - (2) Divergent evolution
 - (3) Parallel evolution
 - (4) Both (2) and (3)
- 175. The primate which existed about15 mya was :-(1) Homo habilis
 - (2) Australopithecus
 - (2) Australophnecus (3) Homo eractus
 - (4) Ramapithecus
- 176. LSD, morphine and Bhang are respectively obtained from :-
 - (1) Claviceps, Papaver and Cannabis
 - (2) Claviceps, cannabis and Rauwolfia
 - (3) Cannabis, Claviceps and Fusarium
 - (4) Claviceps, Rauwolfia and Papaver
- 177. Which veriefy of the Brassica is resistance to insect pests?
 - (i) Pusa Gaurav (ii) Pusa Swarnim
 - (iii) Pusa Subhra (iv) Karan Rai
 - (v) Rapeseed mustard
 - (1) (i), (ii)
- (2) (i), (iii), (v) (4) (i) , (v)
- (3) (ii), (iv)

- 178. Hairy leaves in cotton leads to :-
 - (1) Resistance to cereal leaf beetle
 - (2) Resistance to bollworms
 - (3) Resistance to Jassids
 - (4) Resistance to Sawfly
- 179. Vector which is commonly used to transfer foreign gene in animal cell :-
 - (1) Gene gun (2) Biolistics
 - (3) Agrobacterium tumefaciens
 - (4) Retroviruses
- 180. Bollworm attack :-
 - (1) Bt cotton
 - (2) Tomato
 - (3) Cotton
 - (4) Bacillus thuringiensis