

IT& NEET-ACADEMY

NEET WEEKEND TEST - 7

BOTANY

SECTION-A:

1) The floral formula for ashwagandha is

1) \oplus Q' $K_{(5)}C_{1+2+(2)}+A_{9+1}G_1$

2)
$$\bigoplus Q' K_{(5)} \widehat{C_{(5)}} A_5 \underline{G_{(2)}}$$

3) $\oplus Q^*K_{(5)}C_{1+2+(2)}A_{(9)+1}G_2$

4) \oplus Q $K_{(5)}C_{(5)}+A_{10}G_2$

- 2) $C_{(5)}$ $A_{(5)}$ condition belongs to the flowers of
 - 1) Soyabean
- 2) Gram
- 3) Petunia
- 4) Sesbania

3) Identify the placentation



- 1) Free central
- 2) Basal 3) Axile
- 4) Marginal
- 4) Identify A in the given diagram

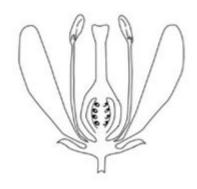


- 1) Pedicel
- 2) Ligule
- 3) Stipule
- 4) Petiole

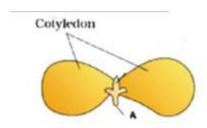
5) Match the following:

	Column - I		Column - II
I)	Strawberry	A.	Sucker
II)	Jasmine	B.	Offset
III)	Pistia	C.	Runner
IV)	Pineapple	D.	Stolon

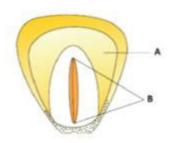
6) Which type of flower is shown below?



- 1) Hypogynous 2) Epigynous 3) Perigynous 4) Inferior flower
- 7) Identify the part of seed marked as A



- 1) Plumule
- 2) Radicle
- 3) Tigellum
- 4) Epicotyl
- 8) Identify the parts of seed marked as A and B



- 1) A- embryo, B- Endosperm 2) A Endosperm, B- Embryo
- 3) A Plumule, B Radicle 4) A Radicle, B Plumule

9) To which family following floral formula is related? Floral formula

$$\oplus Q^*K_{(5)}C_{1+2+(2)}+A_{9+1}\underline{G}_1$$

- 1) Fabaceae
- 2) Solanaceae
- 3) Liliaceae
- 4) Cruciferae
- 10) To which family following floral diagram is related?

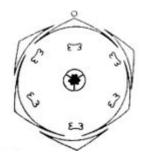


- 1) Fabaceae
- 2) Solanaceae
- 3) Liliaceae
- 4) Cruciferae
- 11) To which family following floral formula is related? Formula

$$\bigoplus K_{3+3} + A_{3+3} \underline{G}_{(3)}$$

1) Fabaceae

- 2) Solanaceae 3) Liliaceae
- 4) Cruciferae
- 12) To which family following floral diagram is related?



- 1) Fabaceae
- 2) Solanaceae
- 3) Liliaceae
- 4) Cruciferae

13) To which family following flower is related?



- 1) Fabaceae
- 2) Solanaceae 3) Liliaceae
- 4) Cruciferae
- 14) Identify the part marked as A and to which family following flower is related?



1) Pedicle, fa 3) Scape, Li		2) Scape, Sol 4) Pedicel, Co			
2) The apex pr 3) When a sh	of floral axis do n	ot elongated and kinds of floral a ms into a flowe	get condens appendages er it is alway	s apically at s ys solitary	uccessive nodes
16) Monothecous a 1) Asterace	nthers are asso ae 2) Malvacea			of these	
17) What can be ob 1) Hypogyny 3) Superior o		2) Anther a	ttachment se		
18) The cotton fibe 1) Outgrowth 3) Endosperr	of tegmen of th		2) Pappı	us hairs rowth of testa	of the seed
19) Syngenesious a 1) Liliaceae 3) Asteraceae	2) Le	s condition is fo eguminosae alvaceae	ound in fam	nily	
20) Basal placenta 1) Silene	tion is found in 2) Dianthus		ea 4	4) Sunflower	
21) Whorled phyllo 1) Hibiscus		s characteristic rasica	es of 3) Alston	nia	4) Calotropis
22) The leaves are 1) Nephenthe	modified into sees 2) Opuntia		Acacia 4	4) Utricularia	
2) Multipistil 3) Multilocul	develops from repolycarpellary late syncarpous ar monocarpella formpactly bor	s flower ary flower	axis		
24) the photosynth 1) Banyan		atory roots are anda	observed in 3) Cascı		ospora
25) Bract is a mod 1) Petal	ified 2) Sepal	3) L	eaf 4	4) Involucres	
26) Pome fruit is fo 1) Mango	ound in 2) Li	itchi	3) Peach	1	4) Apple

2		n example for zygor 2) Mustard	norphic flower with imb 3) Canna	oricate aestivation? 4) CassiaVexillary
28)	aestivation is chara 1) Solanaceae		nily 3) Fabaceae	4) Asteraceae
29)	Phyllode is preent: 1) Asustrallian ad	in cacia 2) Opuntia - 3	s) Asparahus 4) Eur	phorbia
30)	Cymose inflorescer 1) Trifolium	nce is present in 2) Brassica	3) Solanum	4) Sesbania
31)		of sepal or petals on, the condition is 2) Valvate	verlap one another with termed as 3) Vexillary	nout any 4) Imbricate
32)	An example of edib	_	em is 3) Carrot	4) Groundnut
33)	Placenta and perical) Tomato	arp are both edible 2) Potato	portions in 3) Apple	4) Banana
34)	Keel is the charact 1) Indigofera	eristic features of fl 2) Aloe		4) Tulip
35)	Perigynous flowers 1) Cucumber		se 3) Rose 4) Gua	ava
<u>SE</u>	CTION-B:			
36)	In ginger, vegetativ 1) Offsets	e propagation occu 2) Bulbils	rs through 3) Runners	4) Rhizome
37)	Axile placentation 1) Argemone		3) Lemon	4) Pea
38)	s are known as	o flat green organs 2) Cladodes	performing the function 3) Phyllodes	ns of leave 4) Phylloclades
39)	Cotyledon of maize 1) Scutellum	grain is called: 2) Plumule	3) Coleorhiza	4) Fabaceae
40)		arpous gynoecium 2) Liliaceae	is found in flowers of 3) Solanaceae	4) Fabaceae
41)	Which of the follow 1) Flattened structure 3) Thorns of citru	ctures of opuntia	nodification? 2) Pitcher of Nepenth 4) Tendrils of cucum	
42)	The coconut water 1) Fleshy mesoca 3) Free nuclear ex	rp 2) Fr	ut represents; ree nuclear proembryo ndocarp	
43)	The standard petal 1) Pappus	of a papilionaceou 2) Vexillaum	s corolla is also called a 3) Corona	4) Carina
44)	Radial symmetru is			

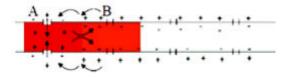
- 45) The term polyadelphous is related to
 - 1) Gynoecium 2) Andreocium3) Corollac

4) Calyxc

ZOOLOGY

SECTION-A:

- 46) Status of concentration of Na^+ , K^+ and proteins in the axoplasm, respectively are
 - 1) High, high, low
- 2) Low, high, low
- 3) Low, high, high
- 4) High, low, high
- 47) During impulse transmission, when K^+ enters the fluid outside axon, what is correct?
 - 1) No effect on polarity
 - 2) Polarity is reversed and membrane becomes electro-positive outside
 - 3) Polarity is reversed and membrane becomes electro-negative outside
 - 4) Result in opening of Na^+ channels
- 48) During resting state, axonal membrane of neurons is permeable for
 - 1) Na^+
- 2) K^{+}
- 3) Proteins 4) Cl^-
- 49) Action potential is generated at axonal membrane All of the following are expected except
 - 1) Outer surface of membrane will become negatively charged
 - 2) Membrance is polarized
 - 3) Membrane is nearly impermeable to K^+
 - 4) Both 2 and 3 are not expected
- 50) An action potential in the nerve fibre is produced when positive and negative charges on outside and inside of the axon membrane are reversed because
 - 1) More potassium ions enter the axon as compared to sodium ions leaving it
 - 2) More sodium ions enter the axon as compared to potassium ions leaving it
 - 3) All potassium ions leave the axon
 - 4) All sodium ions enter the axon
- 51) Given below is the diagrammatic representation of impulse conduction through an axon

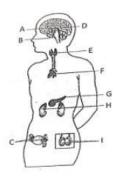


Select the option with the incorrect

- 1) An electric current flows on the inner surface from site A to B and on outer surface, from site B to A to complete the circuit
- 2) 2) Action potential generated at site A arrives at site B

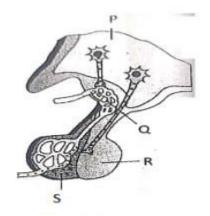
- 3) Permeability to Na^+ decreases and quickly followed by a rise in permeability to K^+ at site A.
- 4) Na^+ channels get closed and K^+ channels get opened at site A. Depolarisation and opening of K^+ channels at site -B
- 52) How many features are applicable to hormones?
 - a. Non-nutrient chemicals
 - b. Intracellular messengers
 - c. Released in blood or open spaces
 - d. Produced in trace amounts
 - 1) None
- 2) One
- 3) Two
- 4) three

- 53) Select the correct statement
 - 1) Neural coordination is fast and long lived
 - 2) Hypothalamus forms the basal part of diencephalon
 - 3) GH-RH is released by pituitary gland
 - 4) Pars distalis is the part of neurohypophysis in pituitary gland
- 54) Which one of the following pituitary hormones do not have a particular target gland to act up on?
 - 1) TSH
- 2) GH
- 3) LH
- 4) ACTH
- 55) Which hormone is carried by hypothalamic neurons?
 - 1) GH
- 2) Releasing hormones
- 3) Oxytocin
- 4) Both 2 and 3
- 56) Various endocrine glands are shown in the diagram Select the correct option



Hypothamalus	Thymus	Adrenal
1) D	E	I
2) B	F	H
3) B	G	C
4) A	F	H

57) Given diagram is of hypothalamic pituitary axis. Select the option with incorrect identification



- 1) P-Hypothalamus
- 2) Q-Portal circulation
- 3) R-Posterior pituitary
- 4) S-Intermediate lobe
- 58) Which set of hormones are synthesised by pars distalis of pituitary gland?
 - 1) FSH and LH 2) TSH and MSH 3) ADH and GH 4) GH and Oxytocin
- 59) Out of the following hormones, how many are secreted from adenohypophysis?
 - (GH, OXYTOCIN, TSH, MSH, ACTH, FSH)
 - 1) One
- 2) Two
- 3) Three
- 4) Four

- 60) Select the incorrect statement
 - 1) Releasing hormones travel through the portal systems
 - 2) GnRH is released from pituitary gland
 - 3) Neural coordination is fast but short lived
 - 4) Somatostain is secreted by hypothalamus
- 61) Select the correct set of matching

Disease	Hormone	Secretion
1) Gigantism	GH	Hyposecretion
2) Acromegaly	GH	Hypersecretion
3) Dwarfism	GH	Hyposecretion
4) Cretinism	Aldosteror	ne Hyposecretion

- 62) S-A: ADH mainly acts on kidneys is synthesised by posterior pituitary
 - S-B: MSH affects the pigmentation and immune system both
 - 1) Only S-A is correct

- 2) Only S-B is correct
- 3) Both S-A and S-B are correct
- 4) Both S-A and S-B are incorrect
- 63) The probable reason for the greyish appearance of the cerebral cortex is
 - 1) Presence of bundles of axons in this region
 - 2) The cell body of neuron possess myelin sheath
 - 3) The cell bodies of neuron are concentrated here

- 4) All of these
- 64) The association areas of the brain are responsible for
 - 1) Intersensory associations, memory and communication
 - 2) The coordination for sensory and motor singulaing
 - 3) Regulation of respiration and circulation
 - 4) Body temperature, urge for eating and drinking
- 65) Match the parts of the brain given in column-I with the functions performed by them given in column - II and select the correct option from the codes given below

Part	Function
I) The part forming the cerebral cortex of the brain	i)Maintenance of balance and equilibrium
II) The part situated at the base of the thalamus	ii) Responsible for motor, sensory and intersensory associations
III) The part of hind brain with convoluted surface	iii) Has centers for control of activities like respiration, gastric secretions, etc.
IV) The part which connects with the spinal cord	iv) Control of body temperature and the urge for eating and drinking

- 66) Which of the following statement regarding forebrains is correct?
 - 1) Forebrain consists of hypothalamus, thalamus and cerebellum
 - 2) The layer of cell covering the cerebral hemispheres is referred to as white matter
 - 3) The lobe involved in regulation of sexual 'behaviour and expression of emotional Reaction is part of the forebrain
 - 4) Association areas of the forebrain are sensory n function
- 67) Given below are the steps involved in the generation and conduction of nerve impulse.

Arrange them in proper sequence and select the correct option

- I. Rapid influx of Na+ ions followed by reversal of polarity at the site of application of stimulus
- II. Reversal of polarity and generation of action potential at a point ahead of the point of application of stimulus.
- III. Development of free permeability to Na+ ions at the site of application of stimulus
- IV. Amival of the impulse generated at the first site to the second site

V. Rise in permeability of K+ ions as	nd restoration o	of the resting	potential of the membrane
1) V, II, III, IV, I 2) I, III, II,	V, IV 3) III, I	II, I, IV, V	l) III, I, II, IV, V
68) Select wrong statement			
1) Oxytocin is responsible fo	or growth of ma	mmary gland	S
2) ADH promotes diuresis			
3) Prolaction helping format	ion of corpus lu	iteum	
4) All of the above statement	ts are wrong		
69. Which of the following is correct	t about associa	tion areas of 1	orain?
1) The are large regions that	are neither cle	arly sensory 1	normotor in function
2) They are responsible for o	communication	and memory	
3) They control several emot	ional reactions		
4) Both 1 and 2			
70) Which set of hormones regulate	spermatogenes	sis?	
1) LH only 2) FSH only 3) LF	I and androgen	s 4) FSH and	androgens
71) Select the correct option			
Contraction of Uterus Ejecti	on of Milk		
1) Oxytocin 2) Oxytocin 3) Prolactin 4) LH	Oxytocin Prolactin Prolactin Oxytocin		
72) Which hormone is responsible f	or synthesis an	d release of t	estosterone from testis?
1) FSH 2) LH	3) Aldosteron	.e 4) Co	ortisol
73) Read the following statements (A	A-E) and answe	r the question	n that follows them
A-Master of endocrine gland	located in sella	a tursica	
B-Posterior lobe of pitutitary	gland is under	direct neura	l regulation
C-Ovulation of Graafian folli	icles is mediate	d byLH	
D-Source of FSH and TSH is	s same		
E-Hormones are non-nutrie	nt chemicals		
How many of the above statement	s are incorrect?		
1) None 2) One	3) Two	4) Three	
74) Which hormone is responsible f	or conversion o	f remnants of	the Graafian follicles into
Corpus luteum after ovulation?			
1) Progesterone 2) FSI	Н	3) LH	4) Oestrogens

- 75) Identify the incorrect statement
 - 1) Durmater meninge is closer to cranium
 - 2) Cerebral cortex is made up of grey matter
 - 3) Midbrain, pons and medulla constitute brainstem
 - 4) Thalamus is covered by cerebellum
- 76) Cerebral aqueduct is found in
 - 1) Forebrain 2) Midbrain 3) Hindbrain 4) Spinal cord
- 77) Which function is not related to hypothalamus?
 - 1) Regulation of sexual behaviour 2) Control of body temperature
 - 3) Urger for eating and drinking 4) Sense of small
- 78) Which centre is not found in medulla
 - 1) Respiratory centre

- 2) Centre related with gastric secretions
- 3) Centre related with cardiac functions 4) Centre related with excitement and rage 79) Incorrect about association area is
 - 1) Made up of nonmyelinated tracts 2) Related with complex functions like memory
 - 3) Interpretition of motor signalling 4) Neither purely motor nor sensory
- 80) Cerebrum wraps around a structure called . ..1.... is located at the base of ...2..., which is responsible for synthesis of various hormones including ...3.... (Contraction of uterine muscles), ...4....(preventing excess urination), etc

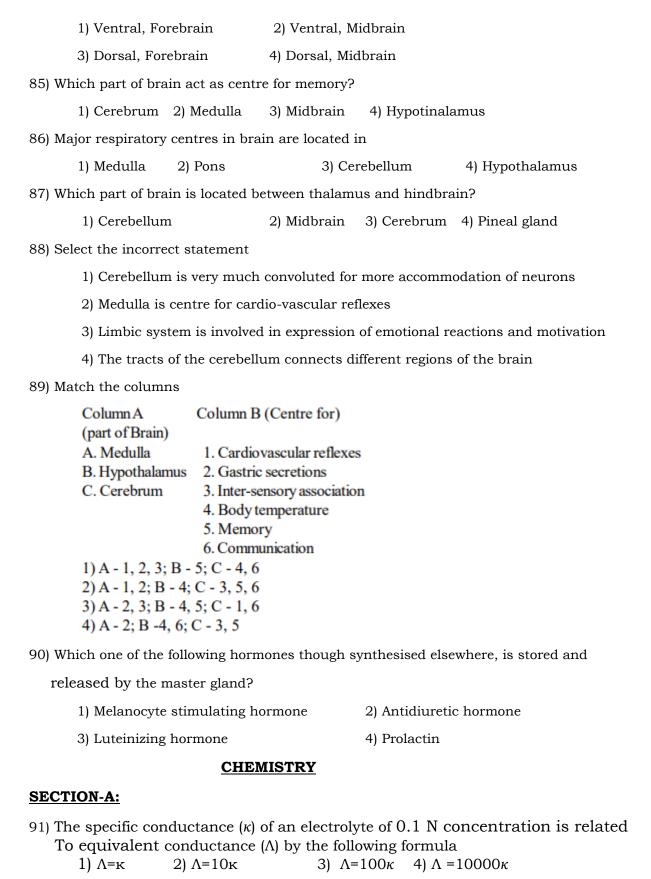
1	2	3	4
1) Hypothalamus	Pituitary	GH	ADH
2) Hypothalamus	pituitary	Prolactin	ACTH
3) Thalamus	Hypothalamus	Oxytocin	ADH
4) Thalamus	Hypothalamus	Oxytocin	ACTH

SECTION-B:

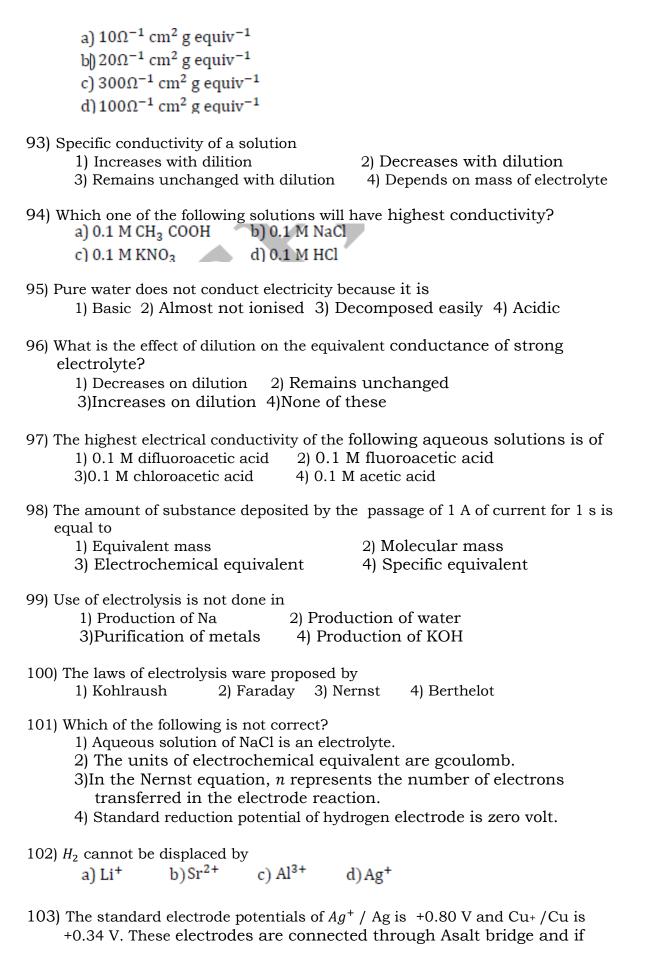
- 81) Which of the following is in direct contact of brain in Human?
 - 1) Cranium 2) Duramater 3) Arachnoid 4) Piamater
- 82) Which of the following is responsible for connecting both cerebral hemispheres?
- 1) Association areas 2) Cerebral cortex 3) Corpus callosum 4) Myelin sheath 83) Which part of brain act as centre for following?

Hypothalamus
 Midbrain
 Cerebellum
 Hypothalamus
 Midbrain
 Cerebrum
 Hypothalamus
 Medulla

84) Corpora quadrigemina is found in ... portion of .



92) Given $l/a=0.5cm^{-1}, R=50$ ohm, N=1.0 The equivalent conductance of the electrolytic cell is



- Copper electrode acts as Acathode then E⁰cell is +0.46 V
 Silver electrode acts as anode then E⁰cell is 0.34 V
 Copper electrode acts as anode then E⁰cell is +0.46 V
 Silver electrode acts as Acathode then E⁰cell is 0.34 V
- 104) The emf of the cell, Ag $|Ag^+|$ (0.1 M) $||Ag^+|$ (1 M) ||Ag| at 298 K is 1) 0.0059 V 2) 0.059 V 3) 5.9 V 4) 0.59 V
- 105) Which of the following metal can replace zinc from $Znso_4$ solution? 1) Cu 2)Hg 3) Fe 4) Al
- 106) Aluminium displaces hydrogen from dilute HCl whereas silver does not. The emf of A cell prepared by combining Al/ Al_3 + and Ag / Ag^+ is 2.46 V. The reduction potential of silver electrode is +0.80 V. The reduction potential of aluminium electrode is 1) +1.66 V 2) -3.26 V 3) 3.26 V 4) -1.66 V
- 107) If the H^+ concentration is decreased from 1 M to 10^{-4} M at 25 °C for the couple MnO_4^-/Mn^{2+} , then the oxidising power of the MnO_4^-/Mn^{2+} couple decreases by 1) -0.18 V 2) 0.18 V 3) 0.38 V 4) -0.38 V
- 108) What will be the electrode potential of that hydrogen electrode is filled with HCl solution of pH value 1.0?

 1) -59.15 V 2) +59.15 3) +59.15 mV 4) -59.15 mV
 - 109) The emf of the cell

 Ni | Ni²⁺ (1.0 M) || Au³⁺ (1.0 M) | Au

 is [E° (Ni²⁺/Ni) =-0.25 V and E° (Au³⁺/Au) =+1.5 V

 a) 2.00 V

 b) 1.25 V

 c) -1.25 V

 d) 1.75 V
- 110) Agalvanic cell with electrode potential of 'A' = +2.23 V and 'B' = -1.43 V. The value of E^0_{cell} is

 1) 3.66 V

 2) 0.80 V

 3) -0.80 V

 4) -3.66 V
 - $\operatorname{Zn^{2+}} \longrightarrow \operatorname{Zn}(s); E^{\circ} = -0.76 V$
- 111) $Cu^{2+} \rightarrow Cu(s)$; $E^{\circ} = -0.34 V$ Which of the following is spontaneous?
 - a) $Zn^{2+} + Cu \rightarrow Zn + Cu^{2+}$ b) $Cu^{2+} + Zn \rightarrow Cu + Zn^{2+}$ c) $Zn^{2+} + Cu^{2+} \rightarrow Zn + Cu$ d) None of the above
- 112) The standard reduction potentials of Zn^{2+} | Zn, Cu^{2+} | Cu and Ag^+ | Ag are respectively 0.76, 0.34 and 0.8 V. The following cells were constructed

```
I Zn | Zn<sup>2+</sup> || Cu<sup>2+</sup> | Cu
        II Zn | Zn<sup>2+</sup> || Ag<sup>+</sup> | Ag
        III Cu \mid Cu^{2+} \mid \mid Ag^{+} \mid Ag What is the correct order of E^{0} cell of these cells?
       1) II > III > I
       2) II > I > III
       3) I > II > III
       4) III > I > II
       5)
113) Electrode potential of hydrogen electrode is volt.
                                                     4) None of these
                       2) + 1
                                      3) -1
114) Which one of the following nitrates will leave behind Ametal on strong
      heating?
        1) Ferric nitrate
                              2) Copper nitrate 3) Manganese nitrate
       4) Silver nitrate
115) Daniel cell, anode and cathode are respectively
        a) Zn | Zn<sup>2+</sup> b) Cu | Cu<sup>2+</sup> c) Fe | Fe<sup>2+</sup> d) Cu | Cu<sup>2+</sup>
116) Which of the following reactions is correct for a given electrochemical cell at
     25 °C?
        Pt | Br_2(g) | Br^-(g) | | Cl^-(aq) | Cl_2(g) | Pt
        a) 2Br^{-}(aq) + Cl_2(g) \rightarrow 2Cl^{-}(aq) + Br_2(g)
        b) Br_2(g) + 2Cl^-(aq) \rightarrow 2Br^-(aq) + Cl_2(g)
        c) Br_2(g) + Cl_2(g) \rightarrow 2Br^-(aq) + 2Cl^-(aq)
        d) 2Br^{-}(aq) + 2Cl^{-}(aq) \rightarrow Br_{2}(g) + Cl_{2}(g)
117) In the electrochemical reaction, 2Fe^{3+} + Zn \rightarrow Zn^{2+} + 2Fe^{2+} increasing
       the concentration of
       1) Increases cell emf
                                              2) Increases the current flow
       3) Decreases the cell emf
                                              4) Alter the pH of the solution
118) In Acell that utilises the reaction,
Zn(s) + 2H^{+}(aq) \rightarrow Zn^{2+}(aq) + H_{2}(q)
       addition of H<sub>2</sub>SO<sub>4</sub> to cathode compartment, will
       1) Lower the E and shift the equilibrium to the left
       2) Lower the E and shift the equilibrium to the right
       3) Increase the E and shift the equilibrium to the right
       4) Increase the E and shift the equilibrium to the left
119) The metal used to recover copper from Asolution of CuSO4 is
        1) Fe
                       2) He
                                                                     4) Ag
     E° values of Mg<sup>2+</sup> / Mg is -2.37 V, of Zn<sup>2+</sup> / Zn is
120) -0.76 V and Fe<sup>2+</sup> / Fe is -0.44 V.
                                                               Which of the statements is
          correct?
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- a) Zn will reduce Fe2+
- b) Zn will reduce Mg2+
- c) Mg oxidises Fe
- d) Zn oxidises Fe
- 121) What is the value of *E*cell?

- 1) +0.2941 V 2) +0.5212 V 3) +0.1308 V 4) -0.2606 V
- 122) The standard electrode potential is measured by
 - 1) Electrometer 2) Voltmeter 3) Pyrometer 4) Galvanometer
- 123) The metal that does not displace hydrogen from an acid is
 - 1) Ca
- 2) A1
- 3) Zn
- 4) Hg
- 124) The emf of the cell, $(E_{Zn^{2+}/Zn} = -0.76 V)$
- Zn / Zn²⁺ (1 M) || Cu²⁺ (1 M) | Cu

$$(E_{\text{Cu}^2+/\text{Cu}} = +0.34 \text{ V})$$
 will be

- 1) +1.10 V 2) -1.10 V 3) +0.42 V 4) -0.42 V
- 125) Astandard hydrogen electrode has zero electrode potential because
 - 1) Hydrogen is easier to oxidise
 - 2) This electrode potential is assumed to be zero
 - 3) Hydrogen atom has only one electron
 - 4) Hydrogen is the lightest element

SECTION-B:

- 126) The element which can displace three other halogens from their compound is
 - 1) F
- 2) C1
- 3) Br
- 4) I
- 127) In a galvanic cell, the electrons flow from
 - 1) Anode to cathode through the external circuit
 - 2) Anode to cathode through the solution
 - 3)Cathode to anode through the external circuit
 - 4) Cathode to anode through the solution
- 128) Which of the following statements is correct? Galvanic cell converts
 - 1) Chemical energy into electrical energy
 - 2) Electrical energy into chemical energy
 - 3) Metal from its elemental state to the combined state
 - 4) Electrolyte into individual ions
- 129) If a salt bridge is removed from the two half cells, the voltage
 - 1) Drops to zero
- 2) Does not change
- 3) Increase gradually
- 4) Increase rapidly
- 130) Which of the following is displaced by Fe?

1) Ag	2) Zn	3) Na		4) All of these
•	he following li 2) Fe	-	_	eaction with dilute H_2SO_4 ? 4) Hg
132) The unit of 1) gram		-		mb 4) Coulomb/gram
,	•			oper articles contains : 4) <i>AuCl</i> ₃ +NaCN
134) Which los 1) Ions	_		Anions	4) Both anions and cations
2) Temp 3) Pressu	rdrogen ion co erature is 25°0 are of hydroger	ncentration i C n is 1 atmosp	s 1 <i>M</i> ohere	trode? s not adsorb hydrogen

ZOOLOGY

SECTION-A:

- 46) Status of concentration of Na^+ , K^+ and proteins in the axoplasm, respectively are
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 - 2) Polarity is reversed and membrane becomes electro-positive outside
 - 3) Polarity is reversed and membrane becomes electro-negative outside
 - 4) Result in opening of Na^+ channels
- 48) During resting state, axonal membrane of neurons is permeable for
 - 1) Na^{+} 2) K^{+} 3) Proteins 4) Cl^{-}