University of Health Sciences, Lahore



Total MCQs: 220 Max. Marks: 1100

ENTRANCE TEST – 2012

For F.Sc. and Non-F.Sc. Students
<u>Time Allowed: 150 minutes</u>

Instructions:

- i. Read the instructions on the MCQs Response Form carefully.
- ii. Choose the **Single Best Answer** for each question.
- iii. Candidates are strictly prohibited from giving any identification mark except Roll No. & Signature in the specified columns only.

COMPULSORY QUESTION FOR IDENTIFICATION

Q-ID. What is the color of your Que	stion Paper?
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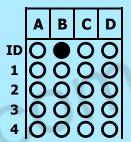
A) White.

C) Pink.

B) Blue.

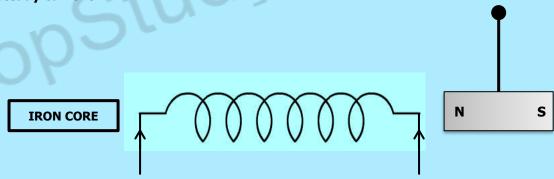
D) Green.

Ans: Colour of your Question Paper is Blue. Fill the Circle Corresponding to Letter 'B' against 'ID' in your MCQ response form (Exactly as shown in the diagram).



PHYSICS

Q.1 The diagram shows a small magnet hanging on a thread near the end of a solenoid carrying a steady current 'I':



What happens to the magnet as the iron core is inserted into the solenoid?

- A) It moves towards solenoid and rotates through 180°
- C) It moves away from solenoid

B) It moves towards the solenoid

- D) It moves away from solenoid and rotates through
- Q.2 A 10 cm long solenoid has 100 turns. What will be the magnetic field inside it along its axis if one micro ampere current is passed through it?

A) 4π x 10⁻¹³ tesla

C) $4\pi \times 10^{-10}$ tesla

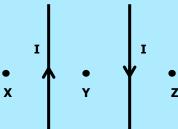
B) $4\pi \times 10^{-7}$ tesla

D) $4\pi \times 10^{-16}$ tesla



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Q.3 Two long straight parallel wires held vertically have equal but opposite currents as shown in the figure.



Which of the following effect will be observed?

- A) Magnetic field at 'X' is stronger than that at 'Y' and 'Z'
- B) Magnetic field at 'X' is weaker than that at 'Y' and 'Z'
- C) Magnetic field at 'X', 'Y' and 'Z' is same
- D) Magnetic field at 'X' is weaker than that at 'Y' but stronger than that at 'Z'.

_	2.4	The kinetic energy	I/ F!L						
L	14	i ne kinetic enerav i	K F WITI	1 WNICH TR	1e electron	STRIKES TH	a tarnet is	aiven r	w.

A) K.E. =
$$e^{2}V$$

C) K.E. = hf^2

B) K.E. = hc/λ

D) K.E. = eV

Q.5 LASER is an acronym for:

- A) Light amplification by stimulated emission of radiation
- B) Light annihilation by stimulated emission of radiation
- C) Light amplitude of stimulated emission of radiation
- D) Light amplification by stimulated emission of radio

Q.6 X-rays can be produced by bombardment of ______ on target metal:

A) Protons

C) Neutrons

B) Electrons

D) Alpha particles

Q.7 Laser light is monochromatic which means

A) It consists of one ray of light

C) It consists of carbon monoxide gas

B) It consists of one wavelength

D) It consists of photons having 1 eV energy

Q.8 If an electron in the 'K' shell is removed and an electron from 'L' shell jumps to occupy the hole in the 'K' shell, it emits a photon of energy:

A) $hf_{K\alpha} = E_L - E_K$

C) $h/\lambda_{K\alpha} = E_L - E_K$

B) $hc = E_L - E_K$

D) $hf_{K_{\alpha}} = E_K - E_L$

Q.9 Which of the following property must be there in a substance so that it can be used as target in X-ray tube?

A) It must have low melting point

- C) It must have high reflecting ability
- B) It must have low atomic number
- D) It must have high atomic number

Q.10 Which of the following can be used to produce population inversion for the emission of Laser?

A) Optical pumping

C) Optical instrument

B) Optical fibre

D) Optical polarization

Q.11 What is the charge on alpha particles emitted during the phenomenon of radioactivity?

A) +e

C) -2e

B) -e

D) +2e

Q.12 A radioactive nuclide decays by emitting an alpha particle, a beta particle and a gamma ray photon, the change in the nucleon number will be:

A) -4

C) -2

B) -1

D) -3

Q.13 A half-life of sodium-24 is _____ which is used to estimate the volume of blood in a patient:

A) 6 hours

C) 8 hours

B) 15 hours

D) 15 days

Q.14 Which of the following is unit of absorbed dose?

A) Sievert

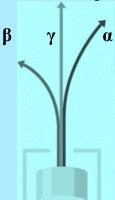
C) Roentgen

B) Gray

D) Curie



Q.15 In a radioactive phenomenon observation shown in figure where α deviates lesser than β in some electric or magnetic field (not shown in figure). What is the reason of less deviation of α ?



A) α is charged particle

C) α is heavier particle

C) α is neutral particle

D) α is lighter particle

Q.16 The isotope of Iodine-131 is used in the treatment of

A) Blood cancer

C) Lung tumor

B) Bone cancer

D) Thyroid cancer

Q.17 Which of the following effect is observed due to emission of β^- during the phenomenon of radioactivity?

- A) A increases by 1 and Z remains same
- C) Z decreases by 1 and A remains same
- B) Z increases by 1 and A remains same
- D) A decreases by 1 and Z remains same

Q.18 Electric charge on an object is measured as 5 micro coulombs. How the value of this charge can be expressed in terms of base units:

A) 5 x 100 ampere second

C) 5 x 10⁺⁶ coulomb second

B) 5 x 10⁻⁶ ampere second

D) 5 x 100 coulomb second

Q.19 If 'm' is the mass, 'c' is the velocity of light and $x = mc^2$, then dimensions of 'x' will be:

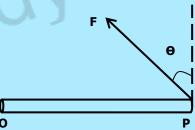
A) [LT⁻¹]

C) [MLT-1]

B) [ML²T⁻²]

D) [MLT⁻²]

Q.20 A force 'F' is acting at point 'P' of a uniform rod capable to rotate about 'O'. What is the torque about 'O'?



- A) $(OP)(F \tan \theta)$
- B) (OP)(F)

- C) $(OP)(F \sin \theta)$
- D) (OP)(F $\cos\Theta$)

Q.21 An object of mass 'm' is suspended in an elevator moving downward with acceleration equal to acceleration due to gravity. What is the apparent weight of object?

A) Zero

C) mg

B) 2mg

D) $\frac{1119}{2}$

Q.22 Stokes' Law for steady motion in a fluid of infinite extent is given by

A) $F = 6\pi nrv$

C) $F = 6\pi nr^2 \rho$

B) $F = (4/3)\pi r^3 \rho g$

D) $F = 2gr^2\rho/9\eta$

Q.23 If speed of efflux through a small hole in a large tank is 9.8 m/s. Find the height at the fluid above the hole

A) 1 m

C) 4.9 m

B) 9.8 m

D) 19.6 m



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- Flow speed of the fluid through a non-uniform pipe increases from 1 m/sec to 3 m/sec. If change Q.24 in P.E. is zero, then pressure difference between two points will be: (density of the fluid = 1000 kg/m^3)
 - A) 1000 N/m²

C) 8000 N/m²

B) 9000 N/m²

- D) 4000 N/m²
- Q.25 Polarization of light exhibited the nature of light as
 - A) Longitudinal wave

C) Transverse wave

B) Compressional wave

- D) Electromagnetic wave
- The concentration of a sugar solution can be determined by Q.26
 - A) Un-polarized light

C) Interference of light

B) Plane polarized light

- D) Diffraction of light
- Q.27 The information from one place to another can be transmitted very safely and easily by:
 - A) Copper wire

C) Photodiode

B) Aluminium wire

- D) Optical fibre
- The image of an object placed inside the focal length of a convex lens will be largest and clearest Q.28 when it is at the
 - A) Less than 25 cm

C) Greater than 25 cm

B) Near point

- D) Infinity
- Q.29 A simple harmonic oscillator has a time period of 10 seconds. Which equation rotates its acceleration 'a' and displacement 'x'?
 - A) a = -2 x

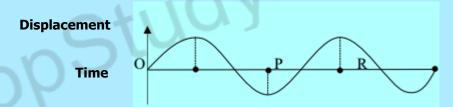
C) $a = -\left(\frac{2\pi}{10}\right)^2 x$ D) $a = -(20\pi)^2 x$

B) $a = -(20\pi)x$

- When the length of a simple pendulum is doubled, find the ratio of the new frequency to the old Q.30 frequency?
 - A) 1/4

B) 1/2

- C) $\sqrt{2}$ D) $1/\sqrt{2}$
- In the diagram below, the displacement of an oscillating particle is plotted against time. What Q.31 does the length 'PR' on the time axis represents?



A) Twice the frequency

C) Half the frequency

B) Half the period

- D) Twice the period
- When the source of sound moves towards the stationary observer, the value of apparent Q.32 frequency 'fo' is:

A)
$$f_0 = \left(\frac{v + u_i}{v}\right) f$$

C)
$$f_o = \left(\frac{v}{v + u_i}\right) f$$

B)
$$f_o = \left(\frac{v}{v - u_i}\right) f$$

D)
$$f_0 = \left(\frac{v - u_i}{v}\right) f$$

- Q.33 The ratio of tensile strength to tensile strain is called
 - A) Modulus of elasticity

C) Young's Modulus

B) Bulk Modulus

- D) Shear Modulus
- Q.34 A wire is stretched by a force 'F' which causes an extension ΔI , the energy stored in the wire is:
 - A) F∆l

C) $\frac{1}{2}$ F ΔI^2

B) 2F∆I

D) ½ F∆l

H₂ and O₂ both are at thermal equilibrium at temperature 300 K. Oxygen molecule is 16 times Q.35 massive than hydrogen. Root mean square speed of hydrogen is

A) 4 root mean square of oxygen

C) 1/16 root mean square of oxygen

B) 1/4 root mean square of oxygen

D) 1/6 root mean square of oxygen

Q.36 Which of the following is expression of mean square speed of 'N' gas molecules contained in a cylinder?

A)
$$\frac{v_1 + v_2 + ... + v_x}{N}$$

B)
$$\frac{v_1^2 + v_2^2 + ... + v_x^2}{v_1^2 + v_2^2 + ... + v_x^2}$$

$$C)\sqrt{\frac{v_1+\ v_2+...+\ v_x}{N}}$$

D)
$$\sqrt{\frac{v_1^2 + v_2^2 + ... + v_x^2}{N}}$$

Q.37 If 'Q' is the amount of heat supplied to a system and 'W' is the work done, then change in internal energy can be defined as

A) Q/W

C) W/Q D) 1 + Q/W

A) 100%

C) 50%

B) 25%

D) 75%

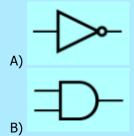
A) Q = W

C) Q = U + W

B) $Q = \Delta U$

D) $W = -\Delta U$

Q.40 What is the logic symbol for a NOT Gate?







The voltage that is applied across X-plates is provided by a circuit called Q.41

A) Audio generator

C) Signal generator

B) Time base generator

D) Linear generator

Q.42 What will be the effect on the capacitance of a capacitor if area of each plate is doubled while separation between the plates is halved?

A) Capacitance remains same

C) Capacitance becomes four times

B) Capacitance becomes double

D) Capacitance reduces to half

10 V potential difference is applied across the plate of 1 µF capacitor. What is the energy storied Q.43 in capacitor?

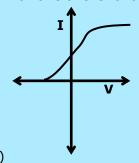
A) 0.5 mJ

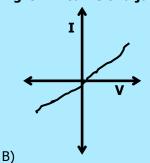
C) 5 mJ

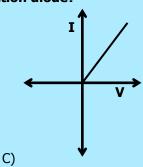
B) 0.05 mJ

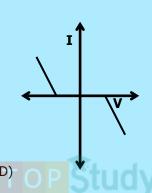
D) 50 mJ

Which one of the following is I-V curve of a junction diode? Q.44









A)

CHEMISTRY

In the below reaction the nucleophile which attacks on the carbon atom of acid is: Q.45

- A) OH-
- B) P

- C) CI-D) H-
- Q.46 When ethanol chloride reacts with methylamine, an amide is formed. What is the structure of the amide formed?

- Q.47 Organic compound containing both amine and carboxyl group is known as
 - A) Amino acid

C) Saccharide

B) Fatty acid

B)

- D) Amide
- Q.48 Alanine is an amino acid which shows neutral effect on litmus paper, the formula of alanine may
 - -COOH H_2N A) COOH H_2N NH_2

- C)
- NH_2
- Which of the following structures is not an alpha amino acid? Q.49
 - -СН---СООН NH_2 A)
 - $_{\text{B})}$ $_{\text{P}}$ $_{\text{P}}$ $_{\text{CH}_2}$ $_{\text{CH}_2}$ $_{\text{CH}_2}$ $_{\text{COOH}}$
- сн-соон CH-—соон

CH₂OH

- The skeletal formula of dipeptide formed between aspartic acid and phenylalanine is given Q.50 below:

D)

How many functional groups are present in its formula?

A) 1

C) 4

B) 2

- D) 3
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Q.51	In basic conditions, amino acid exists in which	of the following forms?
	A) H_3N^{+} CH_2 $COOH$	C) H_3N^{+} CH_2 COO^{-}
	$_{\text{B)}}^{\prime}$ $_{\text{H}_{2}}$ NCH $_{2}$ COOH	C) H_3N^{+} CH_2 COO^{-} D) H_2N CH_2 COO^{-}
Q.52	Structure of dipeptide is	
_	0	
	O H ₂ N—CH ₂ —C—NH·	-нсcooн
	11211 5112 5 1111	
		CH ₃
	This is called:	0.41
	A) Glycyl glycine	C) Alaninyl alanine
	C) Glycyl alanine	D) Alaninyl glycine
Q.53	The principle energy storage carbohydrate in a	nimal's is
Q.55	A) Glucose	C) Protein
	B) Starch	D) Glycogen
		, , ,
Q.54	Starch is a polymer of	
	A) β –D–glucose	C) γ–D–glucose
	B) α− −glucose	D) α–L–glucose
Q.55	The reaction between fats and caustic soda is	
	A) Hydrogenolysis	C) Esterification
	B) Fermentation	D) Saponification
0.56	Adinic acid and havemathylana diamina both a	of which have
Q.56	Adipic acid and hexamethylene diamine both of A) Seven	C) Six
	B) Eight	D) Four
	D) Light	<i>b)</i> 1 od:
Q.57	Lactose is a sugar present in milk. It is an exar	mple of
_	A) Disaccharides	C) Polysaccharides
	B) Monosaccharides	D) Starch
Q.58	Macromolecules are described as large molecu	
	A) Monomers	C) Metamers
	B) Isomers	D) Tautomers
Q.59	The increase in concentration of exidizing ager	nts in smog like H_2O_2 , HNO_3 , PAN and ozone in the
Q.59	air is called	its in smog like n2O2, nivO3, PAN and 02One in the
	A) Carbonated smog	C) Photochemical smog
	B) Nitrated smog	D) Sulphonated smog
		, ,
Q.60	Which is the metal, whose elevated concentra	ation is harmful for fish as it clogs the gills thus
	causing suffocation?	
	A) Sodium	C) Zinc
	B) Lead	D) Aluminium
Q.61		³ H ₃ O, if molar mass of compound is 110.15 gmol ⁻¹
	The molecular formula of this organic compou	
	A) C ₆ H ₆ O ₂	C) C ₉ H ₉ O ₃
	C) C ₃ H ₃ O	D) C ₆ H ₆ O ₃
0.63	When 9 grows (4 males) of 11 was at with 3	males of O. how many males of water will be
Q.62	formed?	moles of O ₂ , how many moles of water will be
	A) Five	C) Six
	B) Four	D) Three
	<i>5</i> / . 5 di	2)
Q.63	The number of molecules in 22.4 dm ³ of H ₂ gas	s at 0 °C and 1 atm are
ą.us	A) 60.2 x 10 ²³	C) 6.02 x 10 ²⁵
	B) 6.02 x 10 ²²	D) 6.02 x 10 ²²
	•	



Page 8		
Q.64	Correct order of boiling points of the given lique A) H ₂ O > HF > HCl > NH ₃ B) HF > H ₂ O > HCl > NH ₃	lid is C) H ₂ O > HF > NH ₃ > HCl D) HF > H ₂ O > NH ₃ > HCl
Q.65	The relative energies of 4s, 4p and 3d orbitals	are in the order
•	A) 3d < 4p <4s	C) 4p < 4s < 3d
	B) 4s < 3d < 4p	D) 4p < 3d < 4s
Q.66	With increase in the value of Principal Quantum the same although their sizes	m Number 'n', the shape of the s-orbitals remains
	A) Decrease B) Increase	C) Remain the same D) May or may not remain the same
Q.67	The angle between unhybridized p-orbital and ether is:	three sp ² hybrid orbitals of each carbon atom in
	A) 120°	C) 109.5°
	B) 90°	D) 180°
Q.68	In 'H-F' bond electronegativity difference is '1.	.9'. What is the type of this bond?
•	A) Polar covalent bond	C) Pi (π) bond
	B) Non-polar covalent bond	D) Co-ordinate covalent bond
Q.69	'ΔH' will be given a negative sign in	
	A) Exothermic reactions	C) Dissociation reaction
	B) Decomposition reactions	D) Endothermic reactions
Q.70	Lattice energy of an ionic crystal is the enthalp	by of
	A) Combustion	C) Dissolution
	B) Dissociation	D) Formation
Q.71	As number of solute particles increases, freezi	- ·
	A) Remains the same B) Increases	C) First increases, then decreases D) Decreases
	b) fricteases	b) becreases
Q.72	Boiling point constants help us to determine	
	A) Molar masses B) Volumes	C) Pressures D) Masses
Q.73	In electrolysis of aqueous CuCl ₂ , the metal dep	
	A) Sodium B) Aluminium	C) Lead D) Copper
	S) ruanimam	<i>Б)</i> сорра
Q.74	In MgCl ₂ , the oxidation state of 'Cl' is	0. 2
	A) Zero B) +2	C) -2 D) -1
	<i>,</i>	
Q.75	Formation of NH ₃ is reversible and exothermic	
	A) More reactant will form B) More N ₂ will be formed	C) More H ₂ will be formed D) More product (NH ₃) will be formed
	·	
Q.76	A buffer solution is that which resists/minimiz	
	A) pOH B) pH	C) pKa D) pKb
	σ, μ	<i>5)</i> pice
Q.77	In some reactions, a product formed acts as a	
	A) Negative Catalysis B) Activation of Catalyst	C) Hetergeneous catalysis D) Autocatalysis
		, , , , , , , , , , , , , , , , , , ,
Q.78	The reaction rate in forward direction decrease	
	A) Concentration of reactants decrease B) Concentration of product decreases	C) The order of reaction changes D) Temperature of the system changes
		To Be de la company de la comp

Q.79	Which one remains same along a period? A) Atomic radius B) Melting point	C) Number of shells (orbits) D) Electrical conductivity
Q.80	More the ionization energy of an element: A) More the electropositivity B) More the reducing power	C) Less the metallic character D) Bigger the atomic radius
Q.81	Alkaline earth metal hydroxides decompose on correct representation of this decomposition?	
	A) $M(OH)_{2(s)}$ \longrightarrow $MO_{(s)} + H_2O_{(l)}$ B) $MOH_{(s)}$ \longrightarrow $M_2O_{(s)} + H_2O_{(l)}$	C) $2MOH_{2(s)} \longrightarrow 2MO_{(s)} + H_{2(l)}$ D) $4MOH_{(s)} \longrightarrow 4M_{(s)} + 2H_2O_{(l)} + O_2$
Q.82	Carbon has the unique ability to form long chaproperty of self-linking in carbon is known as:	ains by bonding with other carbon atoms. This
	A) Condensation B) Polymerization	C) Cyclization D) Catenation
Q.83	Oxidation state of 'Mn' in KMnO ₄ , K ₂ MnO ₄ , MnO ₅ A) +7, +6, +2, +4	2 and MnSO ₄ is in the order: C) +7, +6, +4, +2
	B) +6, +7, +2, +4	D) +4, +6, +7, +2
Q.84	Which pair of transition elements shows abnorn A) Sc and Zn	nal electronic configuration? C) Zn and Cu
	B) Cu and Sc	D) Cu and Cr
Q.85	The acid rain water has pH: A) Below 5	C) Between 5 and 7
	B) 7	D) Between 7 and 14
Q.86	In Contact Process for manufacturing sulphuric water because	c acid, Sulphur trioxide (SO ₃) is not absorbed in
	A) The reaction does not go to completion B) The reaction is highly exothermic	C) The reaction is quite slow D) SO ₃ is insoluble in water
Q.87	In modern Haber Process Plants, the temperature A) 670 – 770 K (400 °C – 500 °C)	
	B) 270 – 370 K (400 °C – 300 °C)	C) 370 - 470 K (100 °C - 200 °C) D) 570 - 600 K (300 °C - 380 °C)
Q.88	In the Haber process for manufacturing of amm A) Proteins occurring in living bodies	onia, Nitrogen is taken from C) Air
	B) Ammonium salts obtained industrially	D) Minerals containing nitrates
Q.89	Ethene on polymerization, gives the product polymerization A) Addition	lyethene. This reaction may be called as C) Substitution
	B) Condensation	D) Pyrolysis
Q.90	In the following, which one is free radical? A) Cl ⁻	C) Cl ₂
	B) Cl ⁺	D) Cl°
Q.91	The introduction of R—C ⁺ group in benzene is	called
	A) Acylation B) Carbonyl reduction	C) Alkylation D) Formylation
Q.92	The alkaline hydrolysis of bromoethane shown	below gives alcohol as the product:
	H ₃ C—CH ₂ —Br —	→ H ₃ C−CH ₂ −OH

The reagent and the condition used in this reaction may be:

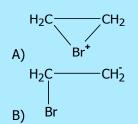
A) H₂O at room temperature

B) Ethanol, heat

C) KOH in alcohol
D) Dilute NaOH_(aq) warm

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Q.93 In the reaction of ethane with bromine the intermediate formed is



Q.94 In substitution reactions, dihaloalkane or secondary halogenoalkane give / show:

A) S_N1 Mechanism

C) Both E₁ and E₂

B) S_N2 Mechanism

D) Both S_N1 and S_N2

Q.95 The dehydration of ethyl alcohol with concentrated H₂SO₄ at 140°C gives:

A) Ethene

C) Alcohol

B) Diethyl ether

D) Carboxylic acid

Q.96 Ethanol can be converted in to ethanoic acid by:

A) Oxidation

C) Hydration

B) Fermentation

D) Hydrogenation

Q.97 The following structure is of:

A) Secondary alcohol

C) Tertiary alcohol

B) Primary alcohol

D) Carboxylic acid

Q.98 When ethanol is warmed with ethanoic acid in the presence of strong acid catalyst, an ester ethyl ethanoate is formed.

CH₃CO₂CH₂CH₃

During this reaction:

- A) Alcohol is reduced
- B) O-H bond in ethanoic acid is broken
- C) O-H bond in ethanol is broken
- D) Acid is oxidized

Q.99 Primary alcohols normally give us aldehydes when oxidized in the presence of Na₂Cr₃O₇, what the product will be, when the secondary alcohols are oxidized in same conditions?

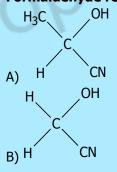
A) Alkenes

C) Alkyl halides

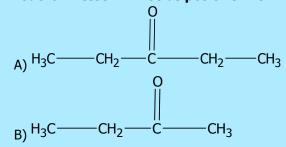
B) Alkynes

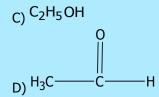
D) Ketones

Q.100 Formaldehyde reacts with HCN (NaCN + HCl) to give a compound:



Q.101 Iodoform test will not be positive with:







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Q.102 When CH₃—CH₂—OH is oxidized in the presence of K₂Cr₂O₇ and H₂SO₄, the product formed is



He had a heart attack and all attempts to _

Q.103

ENGLISH

him failed.

	A) Renew B) Resuscitate			C) Revise D) Refurnish		
Q.104	The A) Putrid B) Purified	stench of dead	animals and pla	ants made Mui C) Perturbed D) Purchased	mtaz ill.	
Q.105	While going up A) Fishy B) Itchy	the hills, by bus	, she felt	inside. C) Queasy D) Squeezy		
Q.106	The craft state festivities as a A) Red-Hearing B) Red-Feather	sman manipulat to f		n by making f C) Red-Herrin D) Red-Haring	g	and declaring sport
\Longrightarrow	underlined. You contains the i	our task is to	identify that uppersonant in the correction in t	underlined se rected. Fill t	egment of the	ach sentence are sentence, which esponding to that
Q.107	The theory was d	liscarded as there A) B) C)	was no corroborat	ting evidence <u>fo</u> D)		
Q.108	The workers were	e <u>raising</u> <u>much</u> hue A) B)	e and cry when the	eir <u>demands</u> we C)	re turned <u>away</u> . D)	
Q.109	Aslam was badly injury was serious D)	A)	step-brother. He	received many !	<u>bruises</u> and contu B)	sions. <u>Thank</u> God! No C)
Q.110	I extend a cordia fertilizers <u>over</u> the D)	A)	u <u>to</u> visit our farn B)	n house. We ha	ve <u>grown</u> vegetal C)	bles without chemical
Q.111	Although he is no	t a close relative c	of <u>me</u> , yet I was <u>g</u> A)	<u>reeted</u> with <u>a</u> sh B) C)	now <u>of</u> deep cordia D)	ality.
Q.112	This antibiotic <u>de</u>	stroys red corpusc A)	les <u>in the</u> blood ar B) C)	nd <u>cause</u> pernici D)	ous anaemia.	



Page 12 of 19 In each of the following question, four alternative sentences are given. Choose the CORRECT one and fill the Circle corresponding to that letter in the MCQ Response Form. Q.113 A) Why does not Nomana remained true to her husband? B) Why did not Nomana remain true to her husband? C) Why had not Nomana remain true to her husband? D) Why did not Nomana remained true to her husband? Q.114 A) All my childhood, I longed desperately in for a tricycle. B) All my childhood, I longed desperately to a tricycle. C) All my childhood, I longed desperately for a tricycle. D) All my childhood, I longed desperately at a tricycle. Q.115 A) She felt unreal to the voice informed her of the subway accident. B) She felt unreal as the voice informed her of the subway accident. C) She felt unreal that the voice informed her of the subway accident. D) She felt unreal for the voice informed her of the subway accident. Q.116 A) Bill Gates is one of the wealthiest person in the world. B) Bill Gates is one of the wealthy person in the world. C) Bill Gates is one of the wealthiest persons in the world. D) Bill Gates is one of the more wealthy person in the world. Q.117 C) Her father is an SP in the Punjab Police. A) Her father is a SP in the Punjab Police. B) Her father was a SP in the Punjab Police. D) Her father are a SP in the Punjab Police. Q.118 A) There were musical instruments in the shop. C) There has musical instruments in the shop. B) There was musical instruments in the shop. D) There is musical instruments in the shop. Q.119 A) He died for heart attack in 1982. C) He died in heart attack in 1982. B) He died with heart attack in 1982. D) He died of heart attack in 1982. Q.120 A) Always speak in the truth. C) Always tell the truth. B) Always tell for the truth. D) Always telling truth. Q.121 A) Hand up the answer sheet to me. C) Hand down the answer sheet to me. B) Hand over the answer sheet to me. D) Hand for the answer sheet to me. Q.122 A) Are you noticed the peach blossoms? C) Will you noticed the peach blossoms? B) Have you noticed the peach blossoms? D) Were you noticed the peach blossoms?

In each of the following question, four alternative meanings of a word are given. You have to select the NEAREST CORRECT MEANING of the given word and fill the appropriate Circle on the MCQ Response Form.

Q.123 DISSONANCE

- A) Inconsistency
- B) Expansion

- C) Perceptible
- D) Warp

Q.124 TRIFLE

- A) Pudding
- B) Minor

- C) Deluge
- D) Treble



Q.125	A) Dusty B) Squeamy	C) Clear D) Unclear
Q.126	FAUX A) Blunder B) Mistake	C) Indiscretion D) False
Q.127	MYRIAD A) Countable B) Multitude	C) Measured D) Blurred
Q.128	FACILE A) Fallacy B) Depict	C) Delicate D) Superficial
Q.129	MAGNUM A) Masterpiece B) Magnanimity	C) Modest D) Magnetic
Q.130	SIDLE A) Sneak B) Sift	C) Siege D) Sieve
Q.131	PLETHORA A) Plastic B) Super-fluidity	C) Measure D) Malleable
Q.132	VERTEX A) Poetry B) Depth	C) Zenith D) Diminish
	<u>BIOLO</u>	GY
Q.133	The part of neuron fibre which conducts nerve A) Dendron B) Dendrites	impulses from the cell body is C) Axon D) Peripheral branch
Q.134	The number of cranial nerves in human is A) 31 pairs B) 12 pairs	C) 24 pairs D) 62 pairs
Q.135	The part of brain which controls breathing, head A) Cerebrum B) Cerebellum	art rate and swallowing is C) Medulla D) Hypothalamus
Q.136	Syphilis is a sexually transmitted disease whice A) Neisseria gonorrhoeae B) E. coli	h is caused by C) Treponema pallidum D) Mycobacterium avium
Q.137	Discharge of ovum or secondary oocyte from of A) Fertilization B) Pollination	vary or from Graafian follicle is called C) Follicle formation D) Ovulation
Q.138	Second meiotic division in the secondary oocyt A) Metaphase B) Prophase	ce proceeds as far as C) Anaphase D) Telophase
Q.139	Which one of the following differentiates direct A) Primary spermatocyte B) Secondary spermatocyte	tly into mature sperm? C) Spermatogonia D) Spermatid



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Q.140	Uterus opens into the vagina through	
	A) Cervix	C) External genitalia
	B) Fallopian tube	D) Vulva
Q.141	Each muscle fibre is surrounded by membrane	which is called
Z	A) Sarcomere	C) Twitch fibre
	B) Sarcolemma	D) Capsule
	-,	- / superior
Q.142	When calcium ions are released from the sa	rcoplasmic reticulum they bind with
	during muscle contraction	
	A) Tropomyosin	C) Cytosol's ions
	B) Sarcolemma	D) Troponin
Q.143	Human and mammalian skeleton can be divide	ed into two parts, axial skeleton and
Q.TT3	A) Appendicular skeleton	C) Endoskeleton
	B) Exoskeleton	D) Hydrostatic skeleton
	D) Exositered	b) Hydrostatic sicietori
Q.144	Last four vertebrae in humans are fused to for	m a structure called
	A) Sacrum	C) Pubis
	B) Cervical vertebrae	D) Coccyx
0 145	How many house are involved in the formation	of oach half of polyic girdlo?
Q.145	How many bones are involved in the formation	
	A) 3 bones	C) 2 bones
	B) 4 bones	D) 1 bone
Q.146	Ductless glands are known as	
_	A) Endocrine gland	C) Salivary glands
	B) Exocrine gland	D) Bile glands
		((() ()
Q.147	Gastrin is the hormone which is produced by the	
	A) Liver	B) Pyloric region of stomach
	C) Adrenal gland	D) Mucosal lining of intestine
Q.148	β-cells of liver secrete a hormone that is called	
	A) Insulin	C) Antidiuretic hormone
	B) Glucagon	D) Gastrin
0 1 40	Vacanusciu and Ombasin and uslanted from th	
Q.149	Vasopressin and Oxytocin are released from th A) Placenta	C) Anterior pituitary
	B) Ovary	D) Posterior pituitary
	b) Ovaly	b) Fosterior pitultary
Q.150	Antigen is a foreign protein or any other molec	cule which stimulates the formation of
	A) MHC complex	C) Mucus
	B) Immunogen	D) Antibodies
Q.151	Antibodies are produced by which of the follow	
	A) B lymphocytes	C) T lymphocytes
	B) A lymphocytes	D) B and T lymphocytes
Q.152	T-lymphocytes become mature and competent	under the influence of
ą	A) Liver	C) Thymus gland
	B) Bursa of fabricius	D) Spleen
		- / - [
Q.153	Skin and mucous membranes are part of the bo	
	A) Physical barrier	C) Chemical barriers
	B) Mechanical barriers	D) Biological barriers
0.154	Snake hite is treated with which turn of i	nization?
Q.154	Snake bite is treated with which type of immur A) Active	C) Humoral
	B) Passive	D) Specific
	2). 400170	D) Specific



Q.155	A) ATP B) NADP	C) NADP and ATP D) NADP, ATP, and O ₂
Q.156	Total NADH formed by one glucose molecule d	C) 8
	B) 3	D) 18
Q.157	The terminal electron acceptor in electron tran A) Hydrogen	sport chain is C) Cytochrome
	B) Iron	D) Oxygen
Q.158	The end product of glycolysis is A) ADP	C) Citric acid
	B) Reduced FAD	D) Pyruvate
Q.159	One molecule of FADH2 is produced in Krebs's	
	A) Fumarate Malate	C) Malate Oxaloacetate
	B) Succinate Fumarate	D) α -Ketoglutarate Succinate
Q.160	In recombinant DNA technology ar	· · · · · · · · · · · · · · · · · · ·
	A) Viruses	C) Enzymes
	B) Chromosomes	D) Genes
Q.161		produces distinctive pattern on
	autoradiography or X-ray film A) Restriction enzyme	C) Macrosatellites
	B) Microsatellites	D) Probes for genetic markers
Q.162	In the recombinant DNA technology placmide	are used as
Q.102	In the recombinant DNA technology plasmids a A) Genetic material	C) Vectors
	B) Enzymes	D) Probes
Q.163	In which process, multiple copies of the desire	
	A) Polymerase chain reaction B) Gene sequencing	C) Analyzing DNA D) DNA finger printing
Q.164	The enzyme adenosine deaminase is missing in	
	A) Cystic fibrosis B) Hypercholesterolemia	C) Severe combined immunodeficiency syndrome D) Parkinson's disease
Q.165	What is the niche of an organism in an ecosyst	em?
	A) Role played by many organisms in an ecosystem	C) Role played by community of microorganisms in their ecosystem
	B) Role played by a dead organism in an ecosystem	D) Role played by an organism in its ecosystem.
Q.166	The distinct levels or links of food chain are ca	lled
	A) Trophic level	C) Energy pyramid
	B) Food web	D) Food chain
Q.167	A relationship between two or more organism benefit is called	ns of different species in which all partners get
	A) Symbiosis	C) Commensalism
	B) Parasitism	D) Predation
Q.168	Bacteria and fungi are examples of	
	A) Producers	C) Consumers
	B) Decomposers	D) Denvers
Q.169	The cause of acid rain is	
	A) Oxides of carbon	C) Oxides of Sulphur
	B) Oxides of nitrogen and Sulphur	D) Oxides of nitrogen



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Q.170		presses the effect of a gene at another locus, the
	phenomenon is called	
	A) Hypostasis	C) Epistasis
	B) Pleiotropy	D) Epitropy
Q.171	The gene for ABO-blood group systems in hum	ans is represented by symbol:
	A) X	C) Y
	B) I	D) O
Q.172	When a single gene affects two or more traits,	the phenomenon is called
Q.17	A) Epistasis	C) Dominance
	B) Pleiotropy	D) Over dominance
	<i>Бу</i> неговору	b) over dominance
Q.173	The comparative embryology of all vertebrates	
	A) Hairs	C) Scales
	B) Gill pouches	D) Fins
Q.174	In men, sex-determination depends upon the r	nature of
	A) Heterogametic male	C) Heterogametic female
	B) Homogametic female	D) Homogametic male
	, ,	, 3
Q.175	Population of different species (plants and anim	
	A) Community	C) Biosphere
	B) Ecosystem	D) Microhabitat
Q.176	The part of the body which forms a structural a	nd functional unit and is composed of more than
_	one tissue is called	-00
	A) Organ	C) Organ system
	B) Organelle	D) Whole organism
Q.177		ng same living organisms or natural enemies is
	called	Lativ
	A) Pasteurization	C) Biological control
	B) Integrated disease management	D) Genetic engineering
Q.178	Chemicals produced by microorganisms which	are capable of destroying the growth of microbes
	are called	,
	A) Antigen	C) Antiseptics
	B) Biocidal	D) Antibiotics
Q.179	Plastids are only found in the	
	A) Animals and Plants	C) Plants
	B) Animals	D) Viruses
Q.180	Plasma membrane is chemically composed of	
Q.100	A) Phospholipids only	C) Lipids and carbohydrates
	B) Lipids and proteins	D) Glycoproteins
0 101	Endonlasmia vaticulum contains a system of	flattened membrane bounded ease which are
Q.181	named as	flattened membrane-bounded sacs which are
	A) Cristae	C) Cisternae
	B) Marks	D) Tubules
Q.182	Lipids synthesis / metabolism takes place in w	hich of the following organalle?
Q.102	A) Mitochondria	C) Rough endoplasmic reticulum
	B) Vacuoles	D) Smooth endoplasmic reticulum
	-, 13000.00	= , =ooti
Q.183	Ribosomes exist in two forms, either attached	
	A) Tonoplast	C) Cytoplasm
	B) Golgi bodies	D) SER



Q.184	Exchange of segments between homologous ch	
	A) Segregation B) Independent assortment	C) Crossing over D) Mutation
	b) independent assortment	b) Hataton
Q.185	If a person has 44 autosomes + XXY, he will su	
	A) Klinefelter's syndrome	C) Turner's syndrome
	B) Down's syndrome	D) Edward's syndrome
Q.186	The ribosomal RNA is synthesized and stored in	
Q.100	A) Endoplasmic reticulum	C) Golgi complex
	B) Nucleolus	D) Chromosomes
Q.187	In which stage of Interphase, there is increase	
	A) G ₂ phase	C) S phase D) C phase
	B) G ₁ phase	b) C priase
Q.188	In Down's syndrome, which one of the followin	g pair of chromosome fails to segregate?
_	A) 7	C) 21
	B) 18	D) 19
0.100	Carbabyduates are arrania malesules and contra	in thuse slaments
Q.189	Carbohydrates are organic molecules and conta A) Carbon, water and oxygen	C) Carbon, calcium and hydrogen
	B) Carbon, Sulphur and hydrogen	D) Carbon, hydrogen and oxygen
	by carbon, carpinal and nyarogen	by earbon, managemana oxygen
Q.190	Which one are intermediates in respiration and	
	A) Ribose and heptolose	C) Glucose and galactose
	B) Glyceraldehydes and dihydroxyacetone	D) Fructose and ribulose
Q.191	Which of the following is a peptide bond?	
Q.131	A) -C-N	C) -C-P
	B) –C–O	C) -C-P D) -C-S
		_,
	·	
Q.192	Which of the following is an unsaturated fatty a	acid?
Q.192	A) Acetic Acid	acid? C) Oleic acid
Q.192		acid?
Q.192 Q.193	A) Acetic AcidB) Butyric acidWhich of the following combination of base pai	acid? C) Oleic acid D) Palmitic acid
	A) Acetic AcidB) Butyric acidWhich of the following combination of base paiA) A-T	acid? C) Oleic acid D) Palmitic acid r is absent in DNA? C) A-U
	A) Acetic AcidB) Butyric acidWhich of the following combination of base pai	acid? C) Oleic acid D) Palmitic acid r is absent in DNA?
Q.193	 A) Acetic Acid B) Butyric acid Which of the following combination of base pai A) A-T B) C-G 	acid? C) Oleic acid D) Palmitic acid r is absent in DNA? C) A-U D) T-A
	 A) Acetic Acid B) Butyric acid Which of the following combination of base pai A) A-T B) C-G The type of inhibition in which inhibitor has no 	acid? C) Oleic acid D) Palmitic acid r is absent in DNA? C) A-U D) T-A structural similarity to substrate and combines
Q.193	 A) Acetic Acid B) Butyric acid Which of the following combination of base pai A) A-T B) C-G 	acid? C) Oleic acid D) Palmitic acid r is absent in DNA? C) A-U D) T-A structural similarity to substrate and combines led C) Non-competitive and reversible inhibition
Q.193	 A) Acetic Acid B) Butyric acid Which of the following combination of base pai A) A-T B) C-G The type of inhibition in which inhibitor has no with enzyme at other than the active site is call 	acid? C) Oleic acid D) Palmitic acid r is absent in DNA? C) A-U D) T-A structural similarity to substrate and combines led
Q.193 Q.194	A) Acetic Acid B) Butyric acid Which of the following combination of base paid A) A-T B) C-G The type of inhibition in which inhibitor has no with enzyme at other than the active site is call A) Irreversible inhibition B) Competitive inhibition	acid? C) Oleic acid D) Palmitic acid r is absent in DNA? C) A-U D) T-A structural similarity to substrate and combines led C) Non-competitive and reversible inhibition D) Reversible inhibition
Q.193	A) Acetic Acid B) Butyric acid Which of the following combination of base pair A) A-T B) C-G The type of inhibition in which inhibitor has no with enzyme at other than the active site is call A) Irreversible inhibition B) Competitive inhibition The inhibitors that bind tightly and permanently	acid? C) Oleic acid D) Palmitic acid r is absent in DNA? C) A-U D) T-A structural similarity to substrate and combines led C) Non-competitive and reversible inhibition
Q.193 Q.194	A) Acetic Acid B) Butyric acid Which of the following combination of base pair A) A-T B) C-G The type of inhibition in which inhibitor has no with enzyme at other than the active site is call A) Irreversible inhibition B) Competitive inhibition The inhibitors that bind tightly and permanently and catalytic activity are	cid? C) Oleic acid D) Palmitic acid r is absent in DNA? C) A-U D) T-A structural similarity to substrate and combines led C) Non-competitive and reversible inhibition D) Reversible inhibition r to enzymes and destroy their globular structure
Q.193 Q.194	A) Acetic Acid B) Butyric acid Which of the following combination of base pair A) A-T B) C-G The type of inhibition in which inhibitor has no with enzyme at other than the active site is call A) Irreversible inhibition B) Competitive inhibition The inhibitors that bind tightly and permanently	acid? C) Oleic acid D) Palmitic acid r is absent in DNA? C) A-U D) T-A structural similarity to substrate and combines led C) Non-competitive and reversible inhibition D) Reversible inhibition
Q.193 Q.194 Q.195	A) Acetic Acid B) Butyric acid Which of the following combination of base pai A) A-T B) C-G The type of inhibition in which inhibitor has no with enzyme at other than the active site is call A) Irreversible inhibition B) Competitive inhibition The inhibitors that bind tightly and permanently and catalytic activity are A) Reversible inhibitors B) Irreversible inhibitors	c) Oleic acid D) Palmitic acid r is absent in DNA? C) A-U D) T-A structural similarity to substrate and combines led C) Non-competitive and reversible inhibition D) Reversible inhibition r to enzymes and destroy their globular structure C) Competitive inhibitors D) Non-competitive inhibitors D) Non-competitive inhibitors
Q.193 Q.194	A) Acetic Acid B) Butyric acid Which of the following combination of base pair A) A-T B) C-G The type of inhibition in which inhibitor has no with enzyme at other than the active site is call A) Irreversible inhibition B) Competitive inhibition The inhibitors that bind tightly and permanently and catalytic activity are A) Reversible inhibitors B) Irreversible inhibitors Enzyme succinate dehydrogenase converts succ	cid? C) Oleic acid D) Palmitic acid r is absent in DNA? C) A–U D) T–A structural similarity to substrate and combines led C) Non-competitive and reversible inhibition D) Reversible inhibition r to enzymes and destroy their globular structure C) Competitive inhibitors D) Non-competitive inhibitors C) Non-competitive inhibitors D) Non-competitive inhibitors
Q.193 Q.194 Q.195	A) Acetic Acid B) Butyric acid Which of the following combination of base pair A) A-T B) C-G The type of inhibition in which inhibitor has no with enzyme at other than the active site is call A) Irreversible inhibition B) Competitive inhibition The inhibitors that bind tightly and permanently and catalytic activity are A) Reversible inhibitors B) Irreversible inhibitors B) Irreversible inhibitors Enzyme succinate dehydrogenase converts successions.	cid? C) Oleic acid D) Palmitic acid r is absent in DNA? C) A-U D) T-A structural similarity to substrate and combines led C) Non-competitive and reversible inhibition D) Reversible inhibition r to enzymes and destroy their globular structure C) Competitive inhibitors D) Non-competitive inhibitors C) Citrate
Q.193 Q.194 Q.195	A) Acetic Acid B) Butyric acid Which of the following combination of base pair A) A-T B) C-G The type of inhibition in which inhibitor has no with enzyme at other than the active site is call A) Irreversible inhibition B) Competitive inhibition The inhibitors that bind tightly and permanently and catalytic activity are A) Reversible inhibitors B) Irreversible inhibitors Enzyme succinate dehydrogenase converts succ	cid? C) Oleic acid D) Palmitic acid r is absent in DNA? C) A–U D) T–A structural similarity to substrate and combines led C) Non-competitive and reversible inhibition D) Reversible inhibition r to enzymes and destroy their globular structure C) Competitive inhibitors D) Non-competitive inhibitors C) Non-competitive inhibitors D) Non-competitive inhibitors
Q.193 Q.194 Q.195 Q.196	A) Acetic Acid B) Butyric acid Which of the following combination of base pair A) A-T B) C-G The type of inhibition in which inhibitor has no with enzyme at other than the active site is call A) Irreversible inhibition B) Competitive inhibition The inhibitors that bind tightly and permanently and catalytic activity are A) Reversible inhibitors B) Irreversible inhibitors B) Irreversible inhibitors Enzyme succinate dehydrogenase converts successions.	C) Oleic acid D) Palmitic acid r is absent in DNA? C) A-U D) T-A structural similarity to substrate and combines led C) Non-competitive and reversible inhibition D) Reversible inhibition r to enzymes and destroy their globular structure C) Competitive inhibitors D) Non-competitive inhibitors C) Citrate D) Fumarate
Q.193 Q.194 Q.195	A) Acetic Acid B) Butyric acid Which of the following combination of base pair A) A-T B) C-G The type of inhibition in which inhibitor has not with enzyme at other than the active site is call A) Irreversible inhibition B) Competitive inhibition The inhibitors that bind tightly and permanently and catalytic activity are A) Reversible inhibitors B) Irreversible inhibitors Enzyme succinate dehydrogenase converts succeed. A) Malate B) Malonic acid If the detachable co-factor is an inorganic ion to A) Coenzyme	C) Oleic acid D) Palmitic acid r is absent in DNA? C) A-U D) T-A structural similarity to substrate and combines led C) Non-competitive and reversible inhibition D) Reversible inhibition r to enzymes and destroy their globular structure C) Competitive inhibitors D) Non-competitive inhibitors D) Non-competitive inhibitors Cinate into C) Citrate D) Fumarate then it is designated as C) Holoenzyme
Q.193 Q.194 Q.195 Q.196	A) Acetic Acid B) Butyric acid Which of the following combination of base pai A) A-T B) C-G The type of inhibition in which inhibitor has no with enzyme at other than the active site is call A) Irreversible inhibition B) Competitive inhibition The inhibitors that bind tightly and permanently and catalytic activity are A) Reversible inhibitors B) Irreversible inhibitors Enzyme succinate dehydrogenase converts succ A) Malate B) Malonic acid If the detachable co-factor is an inorganic ion to	C) Oleic acid D) Palmitic acid r is absent in DNA? C) A-U D) T-A structural similarity to substrate and combines led C) Non-competitive and reversible inhibition D) Reversible inhibition r to enzymes and destroy their globular structure C) Competitive inhibitors D) Non-competitive inhibitors C) Citrate D) Fumarate then it is designated as
Q.193 Q.194 Q.195 Q.196 Q.197	A) Acetic Acid B) Butyric acid Which of the following combination of base pair A) A-T B) C-G The type of inhibition in which inhibitor has not with enzyme at other than the active site is call A) Irreversible inhibition B) Competitive inhibition The inhibitors that bind tightly and permanently and catalytic activity are A) Reversible inhibitors B) Irreversible inhibitors B) Irreversible inhibitors Enzyme succinate dehydrogenase converts succently and acid If the detachable co-factor is an inorganic ion to A) Coenzyme B) Prosthetic group	C) Oleic acid D) Palmitic acid r is absent in DNA? C) A-U D) T-A structural similarity to substrate and combines led C) Non-competitive and reversible inhibition D) Reversible inhibition r to enzymes and destroy their globular structure C) Competitive inhibitors D) Non-competitive inhibitors C) Citrate D) Fumarate then it is designated as C) Holoenzyme D) Activator
Q.193 Q.194 Q.195 Q.196	A) Acetic Acid B) Butyric acid Which of the following combination of base pair A) A-T B) C-G The type of inhibition in which inhibitor has no with enzyme at other than the active site is call A) Irreversible inhibition B) Competitive inhibition The inhibitors that bind tightly and permanently and catalytic activity are A) Reversible inhibitors B) Irreversible inhibitors B) Irreversible inhibitors Enzyme succinate dehydrogenase converts succently and acid If the detachable co-factor is an inorganic ion to A) Coenzyme B) Prosthetic group In HIV viruses, reverse transcriptase converts	C) Oleic acid D) Palmitic acid r is absent in DNA? C) A-U D) T-A structural similarity to substrate and combines led C) Non-competitive and reversible inhibition D) Reversible inhibition r to enzymes and destroy their globular structure C) Competitive inhibitors D) Non-competitive inhibitors D) Non-competitive inhibitors Cinate into C) Citrate D) Fumarate then it is designated as C) Holoenzyme
Q.193 Q.194 Q.195 Q.196 Q.197	A) Acetic Acid B) Butyric acid Which of the following combination of base pair A) A-T B) C-G The type of inhibition in which inhibitor has not with enzyme at other than the active site is call A) Irreversible inhibition B) Competitive inhibition The inhibitors that bind tightly and permanently and catalytic activity are A) Reversible inhibitors B) Irreversible inhibitors B) Irreversible inhibitors Enzyme succinate dehydrogenase converts succently and acid If the detachable co-factor is an inorganic ion to A) Coenzyme B) Prosthetic group	C) Oleic acid D) Palmitic acid r is absent in DNA? C) A-U D) T-A structural similarity to substrate and combines led C) Non-competitive and reversible inhibition D) Reversible inhibition r to enzymes and destroy their globular structure C) Competitive inhibitors D) Non-competitive inhibitors D) Non-competitive inhibitors cinate into C) Citrate D) Fumarate hen it is designated as C) Holoenzyme D) Activator



Page 1 Q.199	8 of 19	a and are involved in
Q.133	Mesosomes are infoldings of the cell membran A) DNA replication B) RNA synthesis	C) Protein synthesis D) Metabolism
Q.200	Most widespread problem of the antibiotics mi	suse is the
	A) Rapid cure B) Increased resistance in pathogen	C) Disturbance of metabolism D) Immunity
Q.201	Which of the following component is found in to A) Cellulose B) Chitin	the cell wall of fungi? C) Proteins D) Glycerol
Q.202	The male reproductive parts of the flower are (A) Gynoecium B) Calyx	called C) Androecium D) Corolla
Q.203	Fasciola is the name given to A) Tapeworm B) Planaria	C) Liver fluke D) Earthworm
Q.204	Ascaris is A) Diploblastic B) Triploblastic	C) Haploid D) Acoelomate
Q.205	During development, in an animal, mesoderm A) Nervous System B) Alimentary canal lining	layer gives rise to C) Muscular and skeletal system D) Mouth
Q.206	Polymorphism is characteristic feature of A) Porifera B) Cnidaria	C) Annelida D) Nematodes
Q.207	The muscles of the stomach walls thoroughly resulting semi-solid / semi-liquid material is can A) Bolus B) Bolus or chime	y mix up the food with gastric juices and the alled C) Mucus D) Chyme
Q.208	Trypsinogen is converted into trypsin by the ac A) Goblet cells B) Absorptive cells	ctivity of C) Enterokinase D) Peptidase
Q.209	In large intestines, vitamin K is formed by the A) Symbiotic bacteria B) Obligate parasite	activity of C) Parasitic bacteria D) Facultative bacteria
Q.210	Goblet cells secrete A) HCl B) Mucus	C) Enzymes D) Amylase
Q.211	Mature mammalian red blood cells do not have A) Nucleus B) Red color	C) Fluids D) Haemoglobin
Q.212	In a normal person plasma constitutes about _A) 50% B) 60%	C) 45% D) 55%
Q.213	Which vein has oxygenated blood? A) Renal vein B) Subclavian vein	B) Pulmonary vein D) Jugular vein



Q.214	A) 3.5 Liters	C) 5.0 Liters											
	B) 0.5 Liters	D) 1.5 Liters											
Q.215	In nephron, most of the reabsorption takes place in the												
	A) Distal tubule	C) Ascending limb											
	B) Proximal tubule	D) Descending limb											
Q.216	Detection of change and signaling for effector	or's response to the control system is a											
	A) Negative feedback	C) Inter-coordination											
	B) Positive feedback	D) Feedback mechanism											
Q.217	What are three components of mechanism of homeostatic regulations?												
	A) Receptors, control centre and effectors	C) CNS, PNS and diffused nervous system											
	B) Sensory, motor and associative neurons	D) Cerebrum, cerebellum and pons											
Q.218	Blood enters the glomerulus through												
	A) Efferent arteriole	C) Renal artery											
	B) Afferent arteriole	D) Renal vein											
Q.219	Which portion of nephron is under the control of ADH?												
_	A) Bowman's capsule	C) Distal and collecting ducts											
	B) Ascending arm	D) Descending arm											
Q.220	Cause of Parkinson's disease is death of brai	n cells that produce											
_	A) Dopamine	C) ADH hormone											
Q.218 Q.219	B) Acetylcholine	D) Oxytocin											

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University of Health Sciences, Lahore Entrance Test – 2012

For admission to Medical / Dental Institutions of the Punjab ANSWER KEY

The answer key to the questions of Entrance Test 2012 is being released.

Candidates can calculate their scores with the help of carbon copy of their response forms. Each correct answer carries 05 marks whereas one mark will be deducted from the total score for each wrong answer. Unattempted question carries zero marks. Complaints/ queries will be dealt only after the declaration of official result of the Entrance Test by the University. No request in this regard will be entertained before that.

Q.No.	Ans]	Q.No.	Ans]	Q.No.	Ans	Q.No.	Ans		Q.No.	Ans
ID	В		46	D		92	D	138	A		184	С
1	В		47	Α		93	Α	139	D		185	Α
2	С		48	Α		94	D	140	Α		186	В
3	Α		49	В		95	В	141	В		187	В
4	D		50	С		96	Α	142	D		188	С
5	Α		51	D		97	Α	143	Α		189	D
6	В		52	В		98	С	144	D		190	В
7	В		53	D		99	D	145	Α		191	Α
8	Α		54	В		100	В	146	Α		192	С
9	D		55	D		101	Α	147	С		193	С
10	Α		56	С		102	Α	148	X		194	С
11	D		57	Α		103	В	149	D		195	В
12	Α		58	Α		104	Α	150	D		196	D
13	В		59	С		105	С	151	Α	- 4	197	D
14	В		60	D		106	С	152	С		198	D
15	С		61	A		107	D	153	Α		199	A
16	D		62	В		108	D	154	В		200	В
17	В		63	D		109	Α	155	Α		201	В
18	В		64	С		110	Α	156	A		202	С
19	В		65	В		111	A	157	D		203	С
20	D		66	В		112	D	158	D		204	В
21	Α		67	В		113	В	159	В		205	С
22	A		68	A		114	С	160	С		206	В
23	С	. 1	69	A		115	В	161	D C		207	D C
24	D C	1	70	D		116	C C	162			208	
25 26	В)	71 72	D A		117		163 164	A C		209	A B
27	D		73	D D		118 119	A D	165	D		210 211	A
28	В		74	D		120	С	166	A		212	D
29	С		75	D		121	В	167	A		213	C
30	D		76	В		122	В	168	В		214	D
31	В		77	D		123	A	169	В		215	В
32	В		78	A		124	В	170	С		216	D
33	С		79	C		125	D	171	В		217	A
34	D		80	C		126	D	172	В		218	В
35	A		81	A		127	В	173	В		219	C
36	A		82	D		128	D	174	A		220	A
37	В		83	C		129	A	175	A			
38	D		84	D		130	Α	176	Α			
39	D		85	A		131	В	177	C			
40	A		86	В		132	С	178	D			
41	В		87	Α		133	С	179	С			
42	С		88	С		134	В	180	В			
43	В		89	Α		135	С	181	С			
44	В		90	D		136	С	182	D			
45	С		91	Α		137	D	183	С			