University of Health Sciences, Lahore



Total MCQs: 220 Max. Marks: 1100

ENTRANCE TEST - 2014

For F.Sc. and Non-F.Sc. Students Time Allowed: 150 minutes

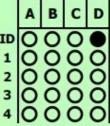
Instructions:

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

COMPULSORY QUESTION FOR IDENTIFICATION

		A STATE OF THE STA	
Q-ID.	What is the co	lor of your Question Paper?	A B C
	A) White.	C) Pink.	71516
	Try Trinco.	C)	

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



PHYSICS

Q.1 The formula for electric field strength is `E = F/Q', where E is electric field strength and F is force and Q is charge. Which one of the following options gives the correct base units for electric field strength?

A) kgms⁻³A⁻¹

C) kg2m-2s-3A

D) Green.

B) kgs-2A-3

- D) ms-1A-3
- Q.2 Which set of the prefixes gives values in increasing order?

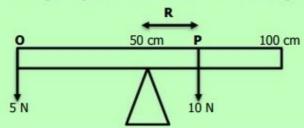
A) Pico, Mega, Kilo, Tera

B) Blue.

C) Tera, Pico, Micro, Kilo

B) Pico, Micro, Mega, Giga

- D) Giga, Kilo, Milli, Nano
- Q.3 Two forces, 5 N and 10 N are acting at 'O' and 'P' respectively on a uniform meter rod suspended at the position of centre of gravity 50 cm mark as shown in the figure.



What is the position of 'P' on meter rod?

A) 80 cm

C) 70 cm

B) 75 cm

D) 65 cm

Q.4 An oil film floating on water surface exhibits colour pattern due to the phenomenon of:

A) Diffraction

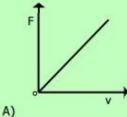
C) Interference

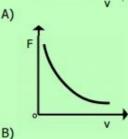
B) Polarization

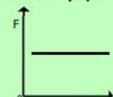
D) Surface tension

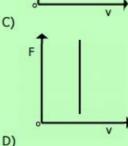
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Q.5 Which of the following is the best graphical representation between drag force 'F' on a spherical object of radius 'r' and its speed 'v' through a fluid of viscosity 'n'?

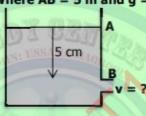








Q.6 What is the speed of an incompressible non-viscous liquid flowing out from 'B' contained in a container as shown in the figure? Where AB = 5 m and g = 10 m/s².



A) 5 m/s

C) 2 m/s

B) 10 m/s

- D) 50 m/s
- Q.7 For the horizontal pipe, the fluid inside it is flowing horizontally then Bernoulli's equation can be written as
 - A) $P + \rho v^2 = constant$

C) $P + 2\rho v^2 = constant$

B) $2P + \rho v^2 = constant$

- D) $2P + 2\rho v^2 = constant$
- Q.8 The value of the least distance of distinct vision or near point is ______ for a normal human eye.
 - A) 20 cm

C) 10 cm

B) 25 cm

- D) 15 cm
- Q.9 In a compound microscope, the magnification by objective = 20, magnification by eyepiece = 11, then the total magnification is

A)
$$M = -220$$

C)
$$M = -0.05$$

B)
$$M = -0.19$$

D)
$$M = 220$$

Q.10 The distance between atoms is 0.30 nm. What will be the wavelength of X-rays at angle $\theta = 30^{\circ}$ for 1st order diffraction?

A)
$$\lambda = 0.60 \text{ nm}$$

C)
$$\lambda = 0.20 \text{ nm}$$

B)
$$\lambda = 0.30 \text{ nm}$$

- D) $\lambda = 0.90 \text{ nm}$
- Q.11 A 100 kg man is standing in an elevator, which accidently falls freely. What will be the weight of the person in the freely falling elevator (take g=10 m/s²)
 - A) 1000 N

C) 500 N

B) 10 N

- D) Zero
- Q.12 Frequency of simple pendulum of length 9.8 m will be
 - A) 2 π Hertz

C) 1/2π Hertz

B) π/2 Hertz

- D) π/4 Hertz
- Q.13 A body performs simple harmonic motion with a period of 0.063 s. The maximum speed of 3.0 ms⁻¹. What are the values of the amplitude 'x₀ (m)' and angular frequency 'ω (rads⁻¹)'?

A)
$$x_0 = 0.03$$
, $\omega = 100$

C)
$$x_0 = 5.3$$
, $\omega = 16$

B)
$$x_0 = 0.19$$
, $\omega = 16$

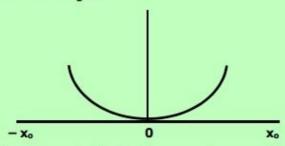
D)
$$x_0 = 3.3$$
, $\omega = 100$

- Q.14 Food being cooked in microwave oven is an example of
 - A) Beats

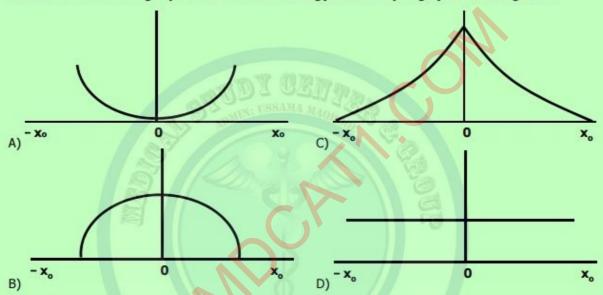
C) Resonance

B) Overtones

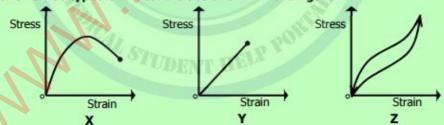
- D) Stationary waves
- Q.15 Potential energy of a mass spring system with respect to displacement during simple harmonic motion (SHM) is shown in the figure.



Which of the following represents the total energy of mass spring system during SHM?



Q.16 Three graphs for three types of materials are shown in the figure.



Which row describes the correct materials?

	X	Y	Z
A)	Brittle	Ductile	Polymer
B)	Brittle	Polymer	Ductile
C)	Polymer	Brittle	Ductile
D)	Ductile	Brittle	Polymer

- Q.17 A gas containing 'N' number of molecules of a gas having mass of each molecule 'm' is in a cubic container having length of each side 'a'. What is the density of gas contained in cube?
 - A) N/a2

C) Nm/a3

B) m/a3

- D) Na³/m
- Q.18 In 'General Gas Equation PV=nRT', 'n' represents the number of moles of gas. Which of the following represents the relation of 'n'?
 - A) $n = NN_A$

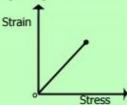
C) $n = N_A/N$

B) $n = N/N_A$

D) $n = N + N_A$

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Q.19 Which feature of the following graph represents Young's Modulus?



- A) Area under graph
- B) Gradient of the graph

- C) Reciprocal of the gradient
- D) Product of gradient and area of the curve.
- Q.20 At triple point of water, the pressure of gas is 2680 Pa, by changing 'T' the pressure increases to 4870 Pa. Then 'T' is:
 - A) 496.38 K
 - A) 496.38 K B) 438.96 K

- C) Zero
 - D) 496.38 °F
- Q.21 The relation between Celsius and Fahrenheit scales is:

$$\frac{C}{100} = \frac{F - 32}{180}$$

At what temperature both scales give the same reading?

A) -100°

C) -180°

B) -40°

- D) -273°
- Q.22 A heat engine working according to second law of thermodynamics has 50% efficiency. What will be the temperature of its low temperature reservoir if high temperature reservoir is 327 °C?
 - A) 27 °C

C) 300 °C

B) 127 °C

- D) 600 °C
- Q.23 Three NAND gates are connected as shown in the figure.



Which of the following logic gate is formed in the connected circuit?

- A) OR
- B) AND

- C) NOR
- D) NAND
- Q.24 What is the output of the truth table?

A	В	Output $x = AB + AB$
0	0	***
0	1	
1	0	
1	1	

A)

X	
0	
0	
1	
1	

C)

Х	ı
1	
0	
0	
1	

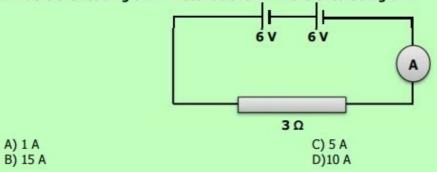
B)

ı	Х
	1
	1
	1
	0

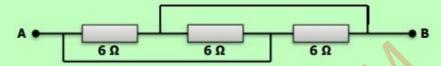
D)

40	
	X
Ì	0
	1
	1
	1

0.25 What is the reading of Ammeter as shown in the circuit diagram?



Q.26 Three 6 Ω are connected as shown in the diagram.



What is the resistance between points 'A' and 'B'?

A) 6 Ω C) 4 Ω D) 2 Ω

Q.27 The difference between the plates of a parallel plate capacitor is 2.0 mm and area of each plate is 2.0 m². The plates are in a vacuum. A potential difference of 1.0 x 10⁴ V is applied across the plates. Find the capacitance.

A) 4 x 10⁻³ F B) 3.54 x 10⁻⁹ F C) 8.85 x 10⁻⁹ F D) 9.0 x 10⁻⁹ F

Q.28 A solenoid 15 cm long has 300 turns of wire. A current of 5 A flows through it. What is the magnitude of magnetic field inside the solenoid?

A) $75 \times 10^7 \text{ T}$ B) $60 \times 10^{+3} \text{ T}$

C) 4π x 10⁻³ T
 D) 750π x 10⁺³ T

Q.29 Due to current in a straight conductor the difference between magnetic field lines

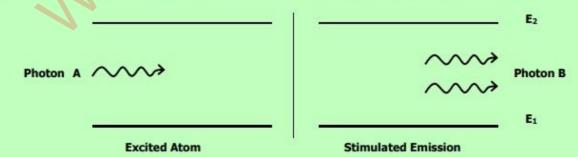
- A) Increases away from conductor
- C) Increases towards conductor
- B) Decreases away from conductor
- D) Decreases and then increases towards conductor
- Q.30 Magnetic Resonance Imaging (MRI) is used to identify the image of
 - A) Tumors and inflamed tissues

C) Skin cells

B) Blood cells

D) Bone structures

Q.31 Stimulated emission of two photons 'A' and 'B' during LASER action is shown in figure:



What is the relation of wavelengths of two photons?

A) $\lambda_A = \lambda_B$ C) $\lambda_A < \lambda_B$ D) $\lambda_A = 2\lambda_B$

- Q.32 Bones absorb greater amount of incident X-rays than flesh. This is because of the fact that
 - A) Bones lie between the flesh

C) Bones contain material of low densities

B) Bones are light in color

D) Bones contain material of high densities

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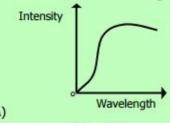
Which of the following techniques is the practical application of X-rays? Q.33

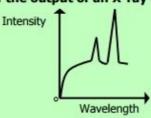
A) Magnetic Resonance Imaging

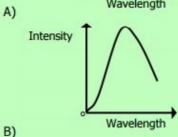
C) Computerized Axial Topography

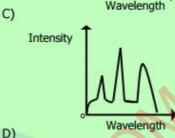
B) Ultrasonography

- D) Positron Emission Tomography
- Q.34 Which one of the following spectra is most typical of the output of an X-ray tube?









Q.35 Which one of the following has the largest energy content?

A) γ-rays

C) Infra-red radiations

B) X-rays

D) Ultra-violet radiations

What will be the energy of accelerated electron used to produce X-rays when the Q.36 accelerating potential is 2 kV?

A) 2 x 10⁻¹⁹ J

C) 3.2 x 1019 J

B) 1.6 x 10-19 J

D) 3.2 x 10-16 J

Q.37 Process of generating three dimensional images of objects by using laser beam is called

A) Photography

C) Holography

B) 3-D cinema

D) Tomography

Q.38 Which one of the following isotopes of Iodine is used for the treatment of thyroid cancer?

A) I - 113

C) I - 131

B) I - 120

D) I - 140

Q.39 A beta (β) particle is a fast-moving electron. During a β – decay how the atomic number and mass number of a nucleus change?

	Atomic Number	Mass Number
A)	Remains the same	Increases by one
B)	Increases by one	Decreases by two
C)	Increases by one	Remains the same
D)	Decreases by two	Decreases by four

A Uranium isotope $^{232}_{92}$ U undergoes one α -decay and one $^{0}_{-1}\beta$ – decay. What is the final product? Q.40

A) 90

C) 89

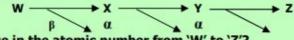
B) 92

D) 88

A naturally occurring radioactive element decays two alpha particles. Which one of the following Q.41 represents status of daughter element with respect to mass number 'A' and charge number 'Z'?

- A) 'Z' decreases by 4 and 'A' decreases by 2 C) 'Z' decreases by 4 and 'A' decreases by 8
- B) 'Z' decreases by 2 and 'A' decreases by 4 D) 'Z' decreases by 8 and 'A' decreases by 4

Q.42 A radioactive isotope 'W' decays to 'X' which decays to 'Y' and 'Y' decays to 'Z' as represented by the figure below:



What is the change in the atomic number from 'W' to 'Z'?

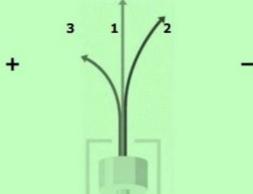
A) Increases by 3

C) Increases by 5

B) Decreases by 3

D) Decreases by 5

Three paths of radioactive radiations are observed as shown in the figure in the presence of Q.43 electric field. Which type of radiation is shown in path 1?



- A) Alpha
- B) Beta

- C) Gamma
- D) Cathode rays

Q.44 What is the absorbed dose 'D' of a sample of 2 kg which is given an amount of 100 J of radioactive energy?

- A) 200 Gy
- B) 102 Gy

- C) 50 Gy
- D) 98 Gy

CHEMISTRY

Q.45 A polymer of empirical formula CH2 has molar mass of 28000 g mol-1. Its molecular formula will be

- A) 100 times that of its empirical formula
- C) 500 times that of its empirical formula
- B) 200 times that of its empirical formula
- D) 2000 times that of its empirical formula

The number of molecules in 9 g of ice (H2O) is Q.46

A) 6.02 x 10²⁴

C) 3.01 x 10²⁴

B) 6.02 x 10²³

D) 3.01 x 10²³

Ice is less dense than water at: Q.47

- A) 0 °C
- B) 4 °C

- C) -4 °C
- D) 2 °C

Q.48 At a given temperature and pressure, the one which shows marked deviation from ideal behavior is

A) N2

C) CO₂

B) N₃

D) He

Q.49 According to the number of protons, neutrons and electrons given in the table, which one of the following options is correct?

Species	Proton	Neutron	Electron
As	33	42	30
Ga	31	39	28
Ca	20	20	20

- A) As-3, Ga+3, Ca
- B) As+1, Ga+2, Ca

- C) As+3, Ga+3, Ca+2
- D) As+1, Ga, Ca+2

If the e/m value of electron is 1.7588 x 1011 coulombs Kg-1, then what would be the mass of Q.50 electron in grams (charge on electron is 1.6022 x 10⁻¹⁹ coulombs)?

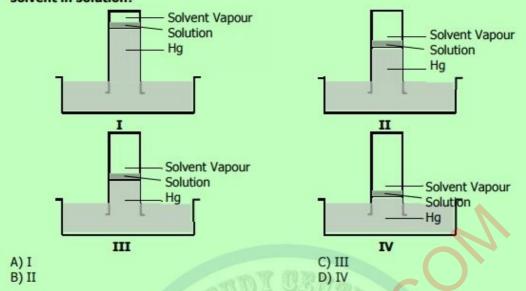
- A) 9.1095 x 10⁻³¹ g
- B) 91.095 x 10⁻³¹ g

- C) 9.1095 x 10⁻²⁸ g
- D) 0.919095 x 10-33 q

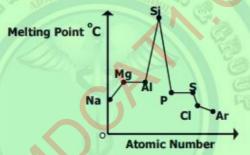
Q.51 The suitable representation of dot structure of chlorine molecule is:

Page 8		
Q.52		verlap in such a way that the probability of finding
	electron is maximum around the line joining	
	A) Sigma Bond	C) Hydrogen Bond
	B) Pi-Bond	D) Metallic Bond
Q.53	$2H_2 + O_2 \longrightarrow 2H_2O \qquad \Delta H = +285.$	
	What will be the enthalpy change in the abov	
	A) 205.5 kJ/mol	C) -205.5 kJ/mol
	B) Zero kJ/mol	D) 1 kJ/mol
Q.54	Combustion of graphite to form CO. can be de	one by two ways. Reactions are given as follows:
Q.54	C + O ₂	ΔH = -393.7 kJ mol ⁻¹
	C + 1/2O2	ΔH = ?
	CO + 1/2O ₂ → CO	ΔH = -283 kJ mol ⁻¹
	What will be enthalpy of formation of CO?	
	A) -676 kJ mol ⁻¹	C) 110 kJ mol-1
	B) -110 kJ mol ⁻¹	D) 676 kJ mol ⁻¹
Q.55	The value of equilibrium constant (Kc) for the	e reaction $2HF_{(s)} \rightleftharpoons H_{2(g)} + F_{2(g)}$ is 10^{-13} at 2000 °C.
	Calculate the value of Kp for this reaction:	
	A) 2 x 10 ⁻¹³	C) 186 x 10 ⁻¹³
	B) 10 ⁻¹³	D) 3.48 x 10 ⁻⁹
22162700	TO E CITY OF	2419%
Q.56		solutions of different concentrations are shown.
	Which line represents pure water?	
	Normal	
	Atmospheric Pressure	
	T ₁ >T ₂ >T ₃ >T ₄ (i)	/X
	(ii)	
	(iv)	
		T1 T2 T3 T4
	Т	emperature (°C)
	A) (i)	C) (iii)
	B) (ii)	D) (iv)
Q.57	In SO ₄ -2 the oxidation number of Sulphur is	
170	A) -8	C) -6
	B) +8	D) +6
Q.58	Coinage metals Cu, Ag, and Au are the least re	
	A) Negative reduction potential	C) Negative oxidation potential
	B) Positive reduction potential	D) Positive oxidation potential
0.50	What will be the all of a colution of NaOU with	h
Q.59	What will be the pH of a solution of NaOH wit	
	A) 3 B) 14	C) 11 D) 7
	0) 14	<i>U</i>) <i>T</i>
Q.60	If the reactant or product of a chemical re	action can absorb ultraviolet, visible or infrared
4.00		tion can best be measured by which one of the
	following methods?	
	A) Chemical method	C) Graphical method
	B) Spectrometry	D) Differential method
Q.61	For the reaction 2NO + O ₂ ≠ 2NO ₂ , the rate ed	quation for the forward reaction is
20000	A) Rate = k [NO] [O ₂]	C) Rate = $k [NO_2]^2$
	B) Rate = $k [NO]^2[O_2]$	D) Rate = $k[NO_2]$
Q.62	Radon is emitter and being radioacti	
	A) β, cancer	C) α , kidney stone
	B) α, cancer	D) β, kidney stone

0.63 One mole of glucose was dissolved in 1 kg of water, ethanol, ether and benzene separately and the molal boiling point constant of each individual solution was found to be 0.52, 1.75, 2.16 and 2.70 in the units of / °C kg mol-1 respectively. Which of the following figures shows benzene as solvent in solution?



Q.64 The trends, in melting points of the elements of 3rd period, are depicted in figure below.



The sharp decrease observed from 'Si' to 'P' is due to

- A) Decrease in atomic radius from 'Si' to 'P'
- C) Different universities of two elements
- B) Change in bonding and structure of two elements D) Increase in electron density from 'Si' to 'P'
- Q.65 Arrange the following elements according to the trend of ionization energies. (C, N, Ne, B)
 - A) Ne < N < C < B

C) B < C < N < Na

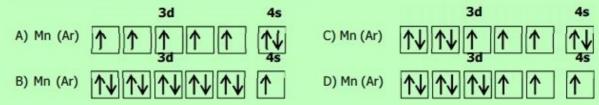
B) B < N < C < Na

- D) Ne < B < C < N
- Q.66 Which one of the following noble gases is used for providing an inert atmosphere for welding?
 - A) Helium

C) Argon

B) Neon

- D) Krypton
- Q.67 Electronic configuration of Manganese (Mn) is



- Q.68 The percentage of carbon in different types of iron products is in the order of
 - A) Cast Iron > Wrought Iron > Steel
- C) Cast Iron > Steel > Wrought Iron
- B) Wrought Iron > Steel > Cast Iron
- D) Cast Iron > Steel > Wrought Iron
- Which one of the following is correct equation of 1st ionization of sulphuric acid? Q.69
- C) $H_2SO_4(aq) + H_2O(1) \longrightarrow 2H^+ + SO_4^2$
- A) $H_2SO_4(aq) + H_2O(1) \longrightarrow 2H^+ + SO_4^2^-$ B) $H_2SO_4(aq) + H_2O(1) \longrightarrow H^+(aq) + HSO_4^-$
- D) H2SO4(aq) + H2O(I) → H3O+ + SO42-

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Q.70 Which one of the following is the correct chemical reaction for Ammonia formation by Haber process?

A) $N_{2(g)} + 3H_{2(g)} \longrightarrow 2NH_{3(g)}$

C) $2N_{(g)} + 3H_{2(g)} \longrightarrow 2NH_{3(g)}$

B) $2N_{(g)} + 3H_{2(g)} \Rightarrow NH_{3(g)}$

D) $N_{2(g)} + 3H_{2(g)} \rightleftharpoons 2NH_{3(g)}$

Q.71 The pH of acid rain is

- A) 7
- B) Between 5 and 7

- C) Below 5
- D) Between 7 and 14

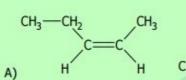
Q.72 Which one of the following products is obtained when sulphur trioxide is absorbed in concentrated sulphuric acid?

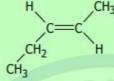
A) Oleum

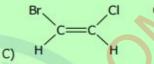
B) Agua Regia

- C) Hydrogen sulphide
- D) Sulphate ion

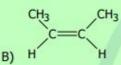
Q.73 Which one of the following pair of compounds is cis and trans isomers of each other?

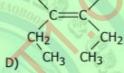












Q.74 Which one of the following compound is a ketone?

A) CH₃ - O - CH₂ - CH₃

C) CH3COCOOH

B) CH3 - CO - CH2 - CH3

D) CH₃ — CH₂CHO

Q.75 Addition of unsymmetrical reagent to an unsymmetrical alkene is governed by:

A) Cannizzaro's Reaction

C) Aldol Condensation

B) Kirchhoff Rule

D) Markownikov's Rule

Q.76 Ethylene glycols are used as

A) Anesthetic

C) Freezing agent

B) Knocking agent

D) Anti-freezing agent

Q.77 The halothane used in hospitals as an anesthetic is chemically

- A) 1-Bromo-1-chloro-2, 2, 2-trifluroethane
- C) 1, 1, 1-Triflouro-2-bromo-2-chloroethane
- B) 2-Bromo-2-chloro-1, 1, 1-trifluroethane
- D) 2-Chloro-2-bromo-1, 1, 1-triflouromoethane

Q.78 If halogenoalkanes are mixed with an excess of ethanoic ammonia and heated under pressure, amine are formed. Which amine is formed in the following reaction? CH₂CH₃Br + NH₃ Amine

A) CH₃—CH₂—NH—CH₂—CH₃

C) CH₃—CH₂—CH₂—NH₂

B) CH₃-CH₂-NH₂

D) H₂N-CH₂-CH₂-NH₂

Q.79 Primary, secondary and tertiary alcohols can be identified and distinguished by

A) Lucas test

C) Baeyer's test

B) Iodoform test

D) Silver mirror test

Q.80 Which one of the following alcohol is indicated by formation of yellow crystals in Iodoform test?

A) Methanol

C) Butanol

B) Ethanol

D) Propanol

Q.81 Ethyl butyrate and butyl butanoate are esters with the flavor of

A) Pear

C) Pineapple

B) Banana

D) Apple

Q.82 The formula of 2, 4, 6-tribromo phenol is

- Q.83 Which one of the following groups is indicated when HCl is formed by reaction of ethanol with phosphorous pentachloride?
 - A) Amino group

C) Halide group

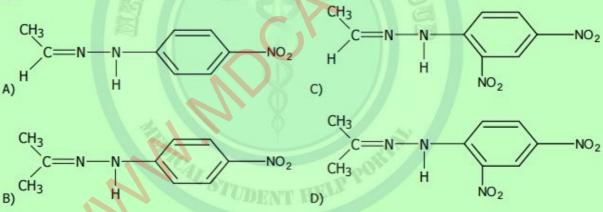
B) Hydroxyl group

- D) Hydride group
- Q.84 A student mixed ethyl alcohol with small amount of sodium dichromate and added it to the hot solution of dilute sulphuric acid. A vigorous reaction took place. He distilled the product formed immediately. What was the product?
 - A) Acetone

C) Dimethyl ether

B) Acetic acid

- D) Acetaldehyde
- Q.85 The structural formula of the product of reaction of acetone with 2, 4-dinitrophenyl hydrazine is:



- A) C2H5COCH3
- B) C2H5CH(CH3)OH

- C) CH₃COCH₃
- D) C₂H₅CH₂CHO
- Q.87 Acetamide is formed by dehydration of
 - A) Oxalic acid

C) Butanoic acid

B) Ethanoic acid

- D) Propanoic acid
- Q.88 Organic compounds 'X' and 'Y' both can react with Na-Metal to evolve hydrogen gas. If 'X' and 'Y' react with each other form an organic compound 'Z' which gives fruity smell. What type of compound 'X', 'Y' and 'Z' are?

	X	Y	Z
A)	Alcohol	Ester	Acetic Acid
B)	Alcohol	Ester	Mineral Acid
C)	Alcohol	Acetic Acid	Ester
D)	Alcohol	Mineral Acid	Ester

Page 12 of 21 The amino acids which are not prepared in human body are called Q.89 A) Essential amino acids C) Alpha amino acids B) Non-essential amino acids D) Beta amino acids Q.90 Indicate the cyclic amino acid from the following: A) Cysteine C) Haloamine B) Serine D) Proline Q.91 Which one of the following is Glutamic Acid? H H₂N -COOH COOH H₂N CH2CH2CO2H A) C) -COOH COOH H2N-H₂N· CH2COOH CH₃ B) D) Q.92 At low pH or in acidic condition amino acid exists as A) Anion C) Zwitter ion B) Cation D) Neutral specie Q.93 The structure shown below represents: COOH NH NH2 A) Proline C) Glycine B) Histidine D) Lysine Which one of the following reagent is used for identification of amino acids? Q.94 A) Fehling's solution C) Ninhydrin B) Benedict's solution D) Copper (II) Sulphate Q.95 Which one of the following is an example of condensation polymer? A) Polyvinylchloride C) Polyethene B) Polystyrene D) Polyamide Q.96 Among the most common disaccharides, which one of the followings is present in the milk? A) Sucrose C) Fructose B) Maltose D) Lactose Q.97 Fats are a type of lipid called glycerides. They are esters of long chain carboxylic acids: A) Propene-1, 2, 3-triol C) Propene-1, 2, 3-diol B) Propane-1, 2, 3-triol D) Propane-1, 2, 3-diol Q.98 Which one of the following base is NOT present in RNA? A) Cytosine C) Thymine B) Adenine D) Guanine Collagen proteins are present in throughout the body Q.99 A) Muscle C) Tendons B) Red blood cells D) Blood plasma Q.100 is an eye irritant. A) Peroxyacetyl nitrate C) Peroxymethoxy aniline B) Peroxyacetyl nitrite D) Peroxyacetyl aniline

	A) CH ₂ ==CH ₂	CHCHCI	
		$_{C)}$ CH ₂ ==CH-CI D) CH ₂ ==CH-C ₆ H	
	B) CH ₂ ==CH-CH ₃	$_{\rm D)}$ $_{\rm CH_2}=_{\rm CH}{\rm C_6F}$	15
Q.102	Which one of the following polluta of red blood cells?	nts can cause death of a person b	y binding with haemoglobin
	A) Chlorofluorocarbons	C) Carbon monoxide	
	B) Oxides of Sulphur	D) Oxides of nitroger	1
		<u>ENGLISH</u>	
Q.103	It is our national duty to	our vote in the gener	al election.
	A) Throw	C) Drop	
	B) Cast	D) Refuse	
Q.104	She is intelligent enough to	things to serve her	own purpose.
37437000	A) Pick	C) Give	
	B) Maneuver	D) Take	
Q.105	She about the excite	ement on hearing the news of he	r sister's wedding.
-	A) Ran	C) Talked	
	B) Jigged	D) Wept	
Q.106	Everyone should be	duties and assignments acco	ording to his/her abilities.
	A) Prevented	C) Delegated	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	B) Advised	D) Suggested	
\Longrightarrow		owing sentences, some segmentify that underlined segments to be corrected. Fill the Cir	nt of the sentence, which
0.107	SPOT THE ERROR: In the following underlined. Your task is to ide contains the mistake that need letter under the segment in the	owing sentences, some segmentify that underlined segments to be corrected. Fill the Circle MCQ Response From.	nt of the sentence, which cle corresponding to that
⇒ Q.107	SPOT THE ERROR: In the follounderlined. Your task is to ide contains the mistake that need	owing sentences, some segmentify that underlined segments to be corrected. Fill the Circle MCQ Response From.	nt of the sentence, which cle corresponding to that
	SPOT THE ERROR: In the following underlined. Your task is to ide contains the mistake that need letter under the segment in the way when A) B)	owing sentences, some segmentify that underlined segments to be corrected. Fill the Cire MCQ Response From. en I happened to saw this classified a C)	nt of the sentence, which cole corresponding to that advertisement in the newspaper.
Q.107 Q.108	SPOT THE ERROR: In the following underlined. Your task is to ide contains the mistake that need letter under the segment in the way when the way when the way when the segment in t	owing sentences, some segmentify that underlined segments to be corrected. Fill the Cire MCQ Response From. en I happened to saw this classified a C)	nt of the sentence, which cole corresponding to that advertisement in the newspaper.
	SPOT THE ERROR: In the following underlined. Your task is to ide contains the mistake that need letter under the segment in the We were ten miles up the highway when A) "All is well what ends well", said the fat	owing sentences, some segmentify that underlined segments to be corrected. Fill the Circle MCQ Response From. en I happened to saw this classified a C) ther when he had finished the story. C) had swing in backyards hung	nt of the sentence, which it cle corresponding to that it is divertisement in the newspaper. D) Suspended like stopped clock
Q.108	SPOT THE ERROR: In the following underlined. Your task is to ide contains the mistake that need letter under the segment in the We were ten miles up the highway when A) B) "All is well what ends well", said the fat A) B) Rubber tubes upon which children A)	owing sentences, some segmentify that underlined segments to be corrected. Fill the Circle MCQ Response From. en I happened to saw this classified a C) ther when he had finished the story. C) D)	nt of the sentence, which cole corresponding to that advertisement in the newspaper.
Q.108	SPOT THE ERROR: In the following underlined. Your task is to ide contains the mistake that need letter under the segment in the way when A) We were ten miles up the highway when A) "All is well what ends well", said the fat A) B)	owing sentences, some segmentify that underlined segments to be corrected. Fill the Circle MCQ Response From. en I happened to saw this classified a C) ther when he had finished the story. C) had swing in backyards hung	nt of the sentence, which it cle corresponding to that it is divertisement in the newspaper. D) Suspended like stopped clock
Q.108 Q.109	SPOT THE ERROR: In the following underlined. Your task is to ide contains the mistake that need letter under the segment in the We were ten miles up the highway when A) "All is well what ends well", said the fat A) Rubber tubes upon which children A) pendulums in the blazing air. D)	owing sentences, some segmentify that underlined segments to be corrected. Fill the Circle MCQ Response From. en I happened to saw this classified a C) ther when he had finished the story. C) had swing in backyards hung B)	advertisement in the newspaper. D) Suspended like stopped clock C)
Q.108	SPOT THE ERROR: In the following underlined. Your task is to ide contains the mistake that need letter under the segment in the We were ten miles up the highway when A) B) "All is well what ends well", said the fat A) B) Rubber tubes upon which children A) pendulums in the blazing air.	owing sentences, some segmentify that underlined segments to be corrected. Fill the Circle MCQ Response From. en I happened to saw this classified a C) ther when he had finished the story. (C) b) had swing in backyards hung B)	advertisement in the newspaper. D) Suspended like stopped clock C)
Q.108 Q.109 Q.110	SPOT THE ERROR: In the followinderlined. Your task is to ide contains the mistake that need letter under the segment in the We were ten miles up the highway when A) B) "All is well what ends well", said the fat A) B) Rubber tubes upon which children A) pendulums in the blazing air. D) The child was fully dressed and sitting B) Company of the blazing B) Company of the blazing B) Company of the child was fully dressed and sitting B) Company of the blazing B) Company of the child was fully dressed and sitting B) Company of the blazing B) Company of the child was fully dressed and sitting B) Company of the child was fully dressed and	owing sentences, some segmentify that underlined segments to be corrected. Fill the Circle MCQ Response From. en I happened to saw this classified a C) ther when he had finished the story. C) b) had swing in backyards hung B) in her father's lap near the kitchen tacky. D)	nt of the sentence, which it cle corresponding to that it cle corresponding to the corresponding to
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Q.108 Q.109 Q.110	SPOT THE ERROR: In the followinderlined. Your task is to ide contains the mistake that need letter under the segment in the We were ten miles up the highway when A) "All is well what ends well", said the fat A) Rubber tubes upon which children A) pendulums in the blazing air. D) The child was fully dressed and sitting B) The three Abdal Rahman, like his B)	owing sentences, some segmentify that underlined segments to be corrected. Fill the Circle MCQ Response From. en I happened to saw this classified a C) ther when he had finished the story. C) b) had swing in backyards hung B) in her father's lap near the kitchen tacky. D)	nt of the sentence, which it cle corresponding to that it cle corresponding to the corresponding to
Q.108 Q.109 Q.110 Q.111	SPOT THE ERROR: In the followinderlined. Your task is to ide contains the mistake that need letter under the segment in the We were ten miles up the highway when A) "All is well what ends well", said the fat A) Rubber tubes upon which children A) pendulums in the blazing air. D) The child was fully dressed and sitting B) The three Abdal Rahman, like his A) When he took office. D)	owing sentences, some segmentify that underlined segment to be corrected. Fill the Circle MCQ Response From. en I happened to saw this classified a C) ther when he had finished the story. (C) by had swing in backyards hung in her father's lap near the kitchen tacc) s illustrious predecessor, was a C)	nt of the sentence, which it cle corresponding to that it divertisement in the newspaper. D) Suspended like stopped clock C) ble. young man of twenty-three
Q.108 Q.109 Q.110	SPOT THE ERROR: In the following underlined. Your task is to ide contains the mistake that need letter under the segment in the We were ten miles up the highway when A) "All is well what ends well", said the fat A) Rubber tubes upon which children A) pendulums in the blazing air. D) The child was fully dressed and sitting B) The three Abdal Rahman, like his A) When he took office.	owing sentences, some segmentify that underlined segment to be corrected. Fill the Circle MCQ Response From. en I happened to saw this classified a C) ther when he had finished the story. (C) by had swing in backyards hung in her father's lap near the kitchen tacc) s illustrious predecessor, was a C)	nt of the sentence, which it cle corresponding to that it divertisement in the newspaper. D) Suspended like stopped clock C) ble. young man of twenty-three
Q.108 Q.109 Q.110 Q.111	SPOT THE ERROR: In the followinderlined. Your task is to ide contains the mistake that need letter under the segment in the We were ten miles up the highway when A) "All is well what ends well", said the fat A) Rubber tubes upon which children A) pendulums in the blazing air. D) The child was fully dressed and sitting B) The three Abdal Rahman, like his A) When he took office. D)	owing sentences, some segmentify that underlined segments to be corrected. Fill the Circle MCQ Response From. en I happened to saw this classified a C) ther when he had finished the story. C) by had swing in backyards hung B) in her father's lap near the kitchen tac C) s illustrious predecessor, was a C) Caliphs, Al-Zahra become the B)	nt of the sentence, which it cle corresponding to that it divertisement in the newspaper. D) Suspended like stopped clock C) ble. young man of twenty-three

Q.101

Page 14	of 21 In each of the following question,	four alternative sentences are given.
		ircle corresponding to that letter in the
Q.113		
	A) I thought it over very carefully before broaching the	
	B) I thought it on very carefully before broaching the	
	C) I thought it by very carefully before broaching theD) I thought it upon very carefully before broaching to	
	b) I thought it upon very carefully before broading to	ne subject to Asina.
Q.114		
	A) He left into a blaze of anger.	C) He left in a blaze of anger.
	B) He left with a blaze of anger.	D) He left back in a blaze of anger.
Q.115		
******	A) Shahid battered Anwar down submission.	C) Shahid down battered Anwar into submission.
	B) Shahid battered Anwar into submission.	D) Shahid was battered Anwar down submission.
0.116		
Q.116	A) Pride was an intrinsic component of his personal m	nakeup.
	B) Pride was a intrinsic component of his personal ma	
	C) Pride an intrinsic component of his personal makes	
	D) Pride were an intrinsic component of his personal	makeup.
Q.117		200 On All and
1000	A) The government introduced tax laws which gave in	centives to factory workers to reduce pollution.
	B) The government introduced tax laws who gave inc	
	C) The government introduced tax laws which have in	
	D) The government introduced tax laws which has inc	entives to factory workers to reduce pollution.
Q.118		
	A) It was cold and foggy, and he dared not to going of	
	B) It was cold and foggy, and he dared not for going	out.
	C) It was cold and foggy, and he dared not go out.D) It was cold and foggy, and he dared not gone out.	
	by it was cord and roggy, and he dared not gone out	
Q.119		
	A) There was much cheering and singing and a bread	
	B) There was much cheering and singing and a breadC) There was more cheer and singing and a bread fig	
	D) There was much cheer and singing and a bread fig	
	CDENT	HER
Q.120	A) Both parents of Ismaal were then long died	C) Both parents of James wars by then long dead
	A) Both parents of Jameel were then long died. B) Both parents of Jameel were then long dead.	C) Both parents of Jameel were by then long dead.D) Both parents of Jameel were by then long died.
		-, , , , , , , , , , ,
Q.121		
	A) But the men ate their supper with good appetites.B) But the men ate their supper in good appetites.	C) But the men ate their supper for good appetites.D) But the men ate their supper into good appetites.
	b) but the men are their supper in good appetites.	b) but the men are their supper into good appeares.
Q.122		
	A) The boy was afraid of going to jail.	C) The boy was afraid on going to jail.
	B) The boy was afraid off going to jail.	D) The boy was afraid by going to jail.
\Rightarrow	In each of the following question, for	ur alternative meanings of a word are
20)		CORRECT MEANING of the given word
	and fill the appropriate Circle on the MCQ F	Response Form.
Q.123	DISDAIN	
Q.125	A) Vice	C) Contempt
	B) Dislike	D) Ignorance

Q.124	SAGACITY	
	A) Suspicious	C) Wisdom
	B) Cruelty	D) Foolishness
Q.125	FLAUNT	C) St
	A) Snipe	C) Show off
	B) Dance	D) Preserve
Q.126	URBANE	
Q.120	A) Suave	C) Bad
	B) Rough	D) Dishonest
	2) 1.033.1	b) bishonest
Q.127	DIASPORA	
	A) Gathering	C) Alliance
	B) Dispersion	D) Animosity
Q.128	IMPETUOUS	Addition to the second
	A) Honest	C) Lazy
	B) Impulsive	D) Liar
Q.129	VOCIFEROUS	
	A) Hidden	C) Strong
	B) Loud	D) Weak
	S COME INSTITUTE	
Q.130	TRANSIENT	
	A) Permanent	C) Long
	B) Temporary	D) Good
0.404	PROMITED STATES	
Q.131	PROWESS	C) Downstan
	A) Hindrance	C) Reservation
	B) Skill	D) Bad name
Q.132	BEQUEATH	C) Iit-
	A) Grant B) Imbibe	C) Irrigate
	b) Inibide	D) Hope
	Droto	CV/
	BIOLO	GY
		Offin I
Q.133	The use of living organisms in industry for the	
	A) Parasitology	C) Biotechnology
	B) Biochemistry	D) Molecular Biology
Q.134	Plants having foreign DNA incorporated into th	
	A) Clone plants	C) Parthenocarpic plants
	B) Transgenic plants	D) Mutant giants
0.125	Treatment by well-statement of sultime of books	nde le selled
Q.135	Treatment by using attenuated culture of bacter A) Chemotherapy	C) Antisepsis
	B) Sterilization	D) Vaccination
	b) Stermzation	b) vaccination
Q.136	The major cause of hepatitis B is	
Q.130	A) Blood transfusion	C) Absence of fibrinogen
	B) Blood clotting	D) Contaminated soil
	by blood dotting	o, contaminated son
Q.137	During animal cell division, the spindle fibres a	re formed from
Q.13,	A) Mitochondria	C) Ribosomes
	B) Centrioles	D) Lysosomes
Q.138	Which component of the cell is concerned with	cell secretions?
100000000000000000000000000000000000000	A) Plasma membrane	C) Cytoskeleton
	B) Golgi complex	D) Mitochondria

Q.139	During which period of interphase (cell	cucle) DNA is synthesized?
Q.139	The state of the s	
	A) G ₁ B) G ₂	C) S D) G₀
	5/ 5/	2, 3,
Q.140	Peptidoglycan or murein is a special or o	distinctive feature of cell wall in
	A) Algae	C) Bacteria
	B) Fungi	D) Plants
Q.141	In mitochondria, small knob-like structu A) Outer membrane	
		C) Inner membrane
	B) Outer compartment	D) Inner compartment
Q.142	The most critical phase of mitosis wi	hich ensures equal distribution of chromatids in the
	daughter cells is	
	A) Prophase	C) Anaphase
	B) Metaphase	D) Telophase
0 143	Non-distribution of 24% pair of abronces	
Q.143	one individual. This condition is called	omes in one of the gamete leads to 47 chromosomes in
	A) Turner's syndrome	C) Down's syndrome
	B) Klinefelter's syndrome	D) Jacob's syndrome
	b) rancicles 3 syndrome	P (M) Zalas
Q.144	The intake of liquid materials across the	cell membrane is
	A) Phagocytosis	SSAMA (C) Pinocytosis
	B) Endocytosis	D) Exocytosis
O 14E	Which one of the following is the site of	evidative at each andation in mitachandria?
Q.145	A) Cristae	oxidative phosphorylation in mitochondria? C) Outer membrane
	B) Matrix	D) Ribosomes
	b) Madix	D) Ribosoffies
Q.146	Organelle involved in the synthesis of A	TP is
	A) Ribosome	C) Nucleus
	B) Mitochondria	D) Centriole
27002		
Q.147	The most common respiratory substrate	
	A) Glucose	C) Fructose
	B) Sucrose	D) Insulin
Q.148	The simplest monosaccharide containing	a keto aroup is
	A) Glyceraldehyde	C) Glucose
	B) Dihydroxy acetone	D) Ribose
	3701	ENT HELE
Q.149		nucleotides, then total possible genetic codes will be
	A) 4	C) 64
	B) 20	D) 61
Q.150	Waterproof surfaces like cuticle of leaf	and protective covering of an insect's body are
Q.130	A) Phospholipids	C) Terpenoids
	B) Waxes	D) Acyl glycerols
Q.151	In translation the terminating codon is	
	A) GUA	C) UUG
	B) UAA	D) AGU
0.450	All	
Q.152	All co-enzymes are derived from	C) Motal ions
	A) Proteins	C) Metal ions
	B) Carbohydrates	D) Vitamins
Q.153	The competitive inhibitors have structure	ral similarity with
	A) Active site	C) Substrate
	B) Binding site	D) Co-enzyme

The state of the s	otimum pH of pancreatic lipase enzyme?
	C) 9.00
6) 8.00	D) 9.70
A co-factor tightly bound to the enz	yme on the permanent basis is called
A) Activator	C) Prosthetic group
B) Co-enzyme	D) Apo-enzyme
Which are of the following calls are	malabilate at all building
	C) B-plasma cells
b) 1-helper lymphocytes	D) B-memory cells
Which one of the following antibioti	c causes permanent discoloration of teeth in young children
if it is misused?	
A) Penicillin	C) Sulfonamide
B) Streptomycin	D) Tetracycline
What are the sequence of stens in v	which a hacterionhage attacks hacteria and injects its DNA2
D) Landing → Penetration → Tall contract	
Trans.	DI SIII
	EARLY COMPANY OF THE STATE OF T
	C) Fungus
B) Virus	D) Arthropod
Ascaris is which one of the following	02
	C) Respiratory tract parasite
	D) Urinogenital tract parasite
by Intestinal parasite	b) ormogenian a dec parasite
Polymorphism is a feature exhibited	d by members of
A) Coelenterates	C) Porifera
B) Arthropoda	D) Platyhelminthes
Which are of the following in the co	the state of the state 2
	C) Snail
	D) Dog
b) sneep	D) 500g
Which one of the following is an exa	ample of a free living carnivorous flatworm?
A) Liver fluke	C) Tapeworm
B) Dugesia	D) Schistosoma
The sources of stanle food for man	are plants which belong to the family:
	C) Rosaceae
	D) Fabaceae
	-/:
In human, Escherichia coli is involve	ed in the formation of
A) Calcium	C) Vitamin A
B) Vitamin D	D) Vitamin K
The function of Goblet cells is to see	crata
	C) Pepsinogen
	D) Mucus
by river contents and	5)
	types of cells
Gastric glands are composed of	
A) Two	C) Four
A) Two B) Three	C) Four D) Five
A) Two	C) Four D) Five
	A) 7.60 B) 8.00 A co-factor tightly bound to the enz A) Activator B) Co-enzyme Which one of the following cells are A) T-killer lymphocytes B) T-helper lymphocytes Which one of the following antibioti if it is misused? A) Penicillin B) Streptomycin What are the sequence of steps in w A) Landing → Tall contraction → Penetra B) Penetration → Landing → Tall contract C) Tall contraction → Landing → DNA In D) Landing → Penetration → Tall contract Athlete's Foot is a disease caused b A) Bacteria B) Virus Ascaris is which one of the followin A) Ectoparasite B) Intestinal parasite Polymorphism is a feature exhibited A) Coelenterates B) Arthropoda Which one of the following is the pr A) Man B) Sheep Which one of the following is an ext A) Liver fluke B) Dugesia The sources of staple food for man A) Mimosaceae B) Poaceae In human, Escherichia coli is involve A) Calcium B) Vitamin D The function of Goblet cells is to see A) Gastrin B) Hydrochloric acid

Company of the Compan	8 of 21	
Q.169	Histamine is produced by which or	
	A) Basophils	C) Monocyte
	B) Platelets	D) Eosinophils
Q.170		nost numerous / commonest of white blood cells?
	A) Eosinophils	C) Neutrophils
	B) Monocytes	D) Lymphocytes
Q.171	The oxygenated blood from lungs	
	A) Pulmonary artery	C) Pulmonary vein
	B) Coronary artery	D) Hepatic artery
Q.172	Which one of the following protein	s takes part in blood clotting?
	A) Prothrombin	C) Immunoglobulin
	B) Fibrinogen	D) Globulin
Q.173	Which one of the following is response	onsible for the production of concentrated urine?
0.50	A) Juxtamedullary nephrons	C) Proximal tubule
	B) Cortical nephrons	D) Distal tubule
Q.174	Reabsorption of useful constituent	s normally takes place in which one of the following?
9.50	A) Proximal tubule	C) Bowman's capsule
	B) Distal tubule	D) Glomerulus
Q.175	Which one of the following part	s of excretory system in humans acts as countercurrent
4.1.5	multiplier?	of exercising system in manuals uses as countercurrent
	A) Kidney	C) Medulla
	B) Cortex	D) Loop of Henle
	b) cortex	b) Loop of Helic
Q.176	Anti-Diuretic Hormone (ADH) is re	
	A) Anterior pituitary lobe	C) Hypothalamus
	B) Posterior pituitary lobe	D) Thalamus
Q.177	Which one of the following is the n	nain nitrogenous waste product in humans?
4.1.	A) Urea	C) Salts
	B) Ammonia	D) Uric acid
Q.178		heres are connected by a thick band of nerve fibres called:
	A) Medulla	C) Pons
	B) Corpus callosum	D) Hippocampus
Q.179	The part of the brain which guides	smooth and accurate motions and maintains body position is
	called	
	A) Cerebrum	C) Pons
	B) Cerebellum	D) Medulla
Q.180	Which one of the following is the e	effect of sympathetic nervous system?
170	A) Constriction of bronchi	C) Promotes digestion or peristalsis
	B) Decrease in heart rate	D) Dilates the pupil
Q.181	High levels of aluminium may cont	ribute to the onset of which one of the following?
4.101	A) Parkinson's disease	C) Alzheimer's disease
	B) Epilepsy	D) Gonorrhea
Q.182	Testosterone is produced by which	one of the following?
Q.102	A) Sertoli cells	C) Interstitial cells
	B) Germinal epithelium	D) Spermatogonia
Q.183	The oocyte released during ovulati	on is in
	A) Anaphase I	C) Metaphase I
	B) Prophase I	D) Metanhase II

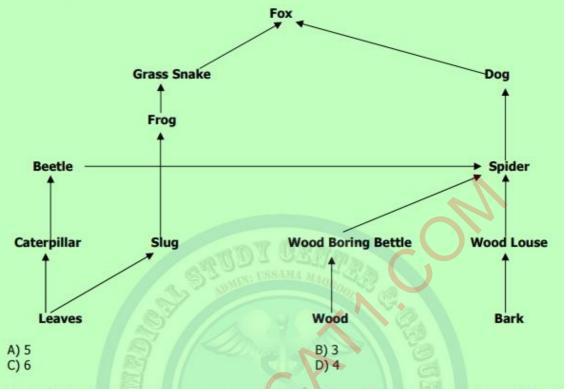
Q.184	Yellowish glandular structure formed after the						
	A) Corpus callosum B) Graafian follicle	C) Corpus luteum D) Follicle atresia					
Q.185	On puberty, the development of primary follicle						
	A) ICSH B) FSH	C) LH D) Estrogen					
	•						
Q.186	Causative agent of a sexually transmitted durinogenital tract is	isease that affects mucous membrane of the					
	A) Staphylococcus aureus	C) Neisseria gonorrhoeae					
	B) Treponema pallidum	D) Escherichia coli					
Q.187	In a human vertebral column, the number of	vertebrae is 7.					
	A) Cervical	C) Lumber					
	B) Thoracic	D) Sacrum					
Q.188	Which one of the following structures holds the	bones together?					
	A) Joints	C) Fibrous capsules					
	B) Cartilages	D) Ligaments					
Q.189	Which one of the following cartilages is the mo	st abundant in the human body?					
	A) Elastic cartilage	C) Fibrous Cartilage					
	B) Chondrous cartilage	D) Hyaline Cartilage					
Q.190	The repeated protein pattern of myofibrils is ca	lled					
	A) Sarcomere	C) Sarcolemma					
	B) Zyomere	D) Cross bridges					
Q.191	When more energy is required in muscle contra	ction then that energy can also be produced by					
	as a secondary source.						
	A) Glucose B) Phosphocreatine	C) Fructose					
	b) Priospriocreatine	D) Lactic acid					
Q.192	Which one of the following is a steroid hormone	e?					
	A) Glucagon	C) Epinephrine					
	B) Thyroxine	D) Oestrogen					
Q.193	The gonadotrophic hormones of anterior lobe o						
	A) Prolactin, Thyroid Stimulating Hormone, Somatotro						
	 B) Follicle Stimulating Hormone, Luteinizing Hormone, C) Adrenocorticotrophic Hormone, Luteinizing Hormone 						
	D) Luteinizing Hormone, Follicle Stimulating Hormone						
Q.194	Over-activity of cortical hormone of adrenal gla	and causes					
Q.134	A) Addison's disease	C) Cushing's disease					
	B) Parkinson's disease	D) Down's syndrome					
Q.195	How many iodine atoms are present in thyroxin						
Q.193	A) 3	C) 2					
	B) 4	D) 5					
Q.196	T-lymphocytes recognize antigen and attack mi	croorganisms or transplanted organ and tissues.					
Q.130	This effect is called	croorganisms or cransplanted organiana assues.					
	A) Cell-mediated response	C) Active immunity					
	B) Humeral immune response	D) Passive immunity					
Q.197	Which part of antibody recognizes the antigen	during immune response?					
10/01/24	A) Heavy part	C) Constant part					
	B) Light part	D) Variable part					
Q.198	What type of immunity is achieved by injecting	antibodies, antiserum, anti-venom serum?					
	A) Active immunity	C) Artificially induced immunity					
	B) Passive immunity	D) Naturally induced immunity					

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Q.199	Which one of the following glands is involved in	
	A) Pineal	C) Thymus
	B) Pituitary	D) Adrenal
Q.200	Antibodies are proteins and made up of how ma	any nolynentide chains?
Q.200	A) One	C) Three
	B) Two	D) Four
	b) Two	<i>D</i>) 1 0 di
Q.201	Oxidative phase of glycolysis starts with dehyd	rogenation of
	A) Glycolysis	C) Glyceraldehyde 3-phosphate
	B) Ribulose Bisphosphate	D) NADH
Q.202		molecule of ATP, one molecule of FADH2 and
	molecules of NADH	C) 2
	A) 1	C) 3
	B) 2	D) 4
Q.203	Which one of the following is the stage of cellul	ar respiration for which oxygen is not essential?
Q.200	A) Glycolysis	C) Krebs's cycle
	B) Pyruvate oxidation	D) Electron Transport Chain
	b) i yravate oxidation	b) Erection Transport Grant
Q.204	Pyruvate, the end product of glycolysis moves	from cytosol to mitochondrial matrix where it is
100	oxidized into producing CO ₂ as a	
	A) Acetic acid (active)	C) NAD
	B) Citrate	D) FAD
Q.205	Pyruvate Acetyl CoA	
	7 27	
	A) FAD+ → FADH	C) NADH → NAD + H ⁺
	B) NAD+ → NADH	D) FADH ⁺ → FAD + H ⁺
Q.206	pBr 322 have antibiotic resistance gene for	
	A) Ampicillin and aspirin	C) Ampicillin and Tetracycline
	B) Streptomycin and metronidazole	D) Penicillin and metronidazole
Q.207	Cystic Fibrosis affects which one of the following	
	A) Epithelial cells	C) Plasma cells
	B) Endothelial cells	D) Blood cells
Q.208	The enzymes which act as molecular scissors in	recombinant DNA technology is
Q.200	A) Exonucleoses	B) Endonucleoses
	C) Polymerases	D) Reverse transcriptases
	C) i difinciases	by neverse transcriptions
Q.209	Which of the following is the correct sequence	of PCR?
	A) Heating → Cooling → Add Primer → Copying of stra	
	B) Heating → Add Primer → Cooling → Copying of stra	
	C) Add Primer → Heating → Cooling → Copying of stra	
	D) Cooling → Add Primer → Heating → Copying of str	
Q.210		gether, the result is which one of the following?
	A) Complementary DNA	B) Mutated DNA
	C) Recombinant DNA	D) Cloned DNA
0.244	Todicidual accessions and business	
Q.211	Individual successions are known as	6) 6
	A) Primary successions	C) Seres
	B) Secondary successions	D) Xeroses
0.212	Which one of the following is the ultimate distril	hutional unit within which a enceios is rootes in a
Q.212	by the limitations of its physical structure and p	butional unit within which a species is restrained
	A) Niche	B) Biome
	C) Ecosystem	D) Habitat
	0/ 200/30011	o , doi:dc

All herbivores belong to which trophic level in the food chain? Q.213

C) T3 D) T4 A) T1 B) T2

Q.214 How many food chains are present in following food web?



The relationship in which one organism gets benefit and the other is not affected is called Q.215

C) Predation A) Mutualism B) Commensalism D) Parasitism

When a gene expresses the effects of a gene at another focus, this is known as Q.216

C) Complete dominance A) Epistasis

B) Co-dominance D) Mutation

Q.217 In male the sex determining gene is

A) XY C) SYX B) SRY D) SXX

Q.218 A gene which affects two or more unrelated characteristics is called

A) Pleiotropic C) Dominant B) Epistatic D) Mutant

Position of a gene within a DNA molecule is Q.219

A) Locus C) Amplicon B) Origin D) Filial

Q.220 Sickle cell anemia is a type of

A) Insertion C) Deletion

B) Transposition D) Base Substitution



University of Health Sciences, Lahore Entrance Test - 2014

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

The answer key to the questions of Entrance Test 2014 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	D		46	D		92	В		138	В	184	С
1	A		47	A		93	В		139	С	185	В
2	В		48	С		94	С		140	C	186	С
3	В		49	С		95	D		141	C	187	Α
4	С		50	Α	13	96	D		142	С	188	D
5	Α		51	В	-40	97	В	Day.	143	C	189	D
6	В		52	A	693	98	C	MAGO	144	C	190	Α
7	В		53	C	10	99	Calm	1	145	A	191	В
8	В		54	В	N	100	A	202	146	В	192	D
9	D	1	55	В	9	101	D		147	A	193	В
10	В		56	A		102	C		148	В	194	С
11	D		57	D	6	103	В		149	C	195	Α
12	С		58	В		104	В		150	В	196	В
13	Α		59	C		105	В		151	В	197	D
14	С		60	В		106	С		152	D	198	В
15	D		61	В		107	C		153	С	199	С
16	D		62	В		108	A		154	С	200	D
17	С		63	Α		109	В		155	С	201	С
18	В		64	В		110	C		156	В	202	С
19	С		65	C		111	/ A		157	D	203	Α
20	Α		66	A		112	C	1	158	Α	204	Α
21	В		67	A		113	A	1	159	C	205	В
22	A		68	C		114	С		160	В	206	С
23	A		69	В	7	115	В	-	161	В	207	Α
24	Α		70	D	5	116	A	15.	162	В	208	В
25	С		71	C		117	A		163	В	209	Α
26	D		72	Α		118	C		164	В	210	С
27	С		73	Α		119	В		165	D	211	С
28	С		74	В		120	С		166	D	212	Α
29	Α		75	D		121	A		167	В	213	В
30	Α		76	D		122	A		168	В	214	D
31	Α		77	В		123	С		169	Α	215	В
32	D		78	В		124	С		170	D	216	Α
33	С		79	Α		125	С		171	С	217	В
34	С	-	80	В		126	A		172	В	218	Α
35	Α	-	81	С		127	В		173	Α	219	Α
36	D		82	В		128	В		174	Α	220	D
37	С	-	83	В		129	В		175	D		
38	С	-	84	D		130	В		176	В		
39	С		85	D		131	В		177	A		
40	В	-	86	A		132	A		178	В		
41	С	-	87	В		133	С		179	В		
42	В	-	88	С		134	В		180	D		
43	С	-	89	A		135	D		181	С		
44	С	-	90	D		136	A		182	С		
45	D		91	Α		137	В		183	D		