DU PhD In Biomedcal Sciences

- Compensation [Option ID = 11194]
- -----

Correct Answer :-

6) The time-scale for an electronic transition is much shorter than for vibrational transitions, it can be assumed that inter-nuclear distances will not change during the transition. Which of the statement/s correctly represent the Fluorescence phenomena?

[Question ID = 2808]

Screening plant extract [Option ID = 11191]
Correct Answer :-
3. Me too drugs [Option ID = 11192] 4. Combinatorial chemistry [Option ID = 11189]
 Screening plant extract [Option ID = 11191] Database mining [Option ID = 11190]
of a complex structure which is likely to be different from other previously discovered? [Question ID = 2798]
10) There are several sources and methods for discovering new compounds, which of the following is most likely to lead to the discover
GABA alpha receptors [Option ID = 11284]
Correct Answer :-
4. GABA alpha receptors [Option ID = 11284]
2. nicotinic receptors [Option ID = 11282] 3. muscarinic receptors [Option ID = 11281]
1. serotonin receptors [Option ID = 11283]
[Question ID = 2821]
9) Benzodiazepine receptors are also known as
inhibits receptor tyrosine kinase activation [Option ID = 11145]
Correct Answer :-
4. activate receptor tyrosine kinase [Option ID = 11146]
 2. initiate receptor dimerization [Option ID = 11147] 3. inhibits receptor tyrosine kinase activation [Option ID = 11145]
1. none of these [Option ID = 11148]
[Question ID = 2787]
8) Incubating antibodies against the ligand of receptor tyrosine kinase in live cell culture
• the conformation in which both ϕ and ψ are 0 is prohibited [Option ID = 11219]
Correct Answer :-
4. each ϕ and ψ pair can assume any conformation [Option ID = 11220]
2. the peptide bond is non-planar [Option ID = 11217] 3. each ϕ and ψ pair can assume two different conformation [Option ID = 11218]
1. the conformation in which both ϕ and ψ are 0 is prohibited [Option ID = 11219]
[Question ID = 2805]
7) The Ramachandran plot illustrates the fact that
All of these [Option ID = 11232]
Correct Answer :-
 Fluorescence lifetime is the average time that an electron spends in the excited state before a photon is emitted [Option ID = 11229] Fluorescence lifetime is given by the 1/e point of the decay [Option ID = 11231]
11230] 2. All of these [Option ID = 11232]
1. Measurement of the fluorescence from a large number of molecules, following a short pulse excitation, will show an exponential decay [Option ID =

11) Alpha subunit of heterotrimeric G-protein functions as

[Question ID = 2802]

5. COMPSDECIFIC DROSDRODIES	5] .terase [Option ID = 11207]
I. GDP kinase [Option ID = 1]	
Correct Answer :-	
GTPase [Option ID = 1120	D5]
12) Infrared spectroscop	y is one of the best diagnostic tools for analysis of carbonyl groups having a strong C=O absorption peak
between	
Question ID = 2807]	
1. 2240 -2360 cm ⁻¹ [Option I	
2. 1660 - 1770 cm ⁻¹ [Option]	
3. 1915-2025 cm ⁻¹ [Option II	
4. 3400 - 3510 cm ⁻¹ [Option]	ID = 11225]
Correct Answer :-	
• 1660 - 1770 cm ⁻¹ [Option	ID = 11228]
13) Butadiene changes to	the one of the following molecules in the presence of heat [Question ID = 2816]
1. methyl cyclopropane [Opti	on ID = 11263]
2. none of these [Option ID =	= 11264]
3. cyclobutane [Option ID = 1	-
4. cyclobutene [Option ID = 1	11262]
Correct Answer :-	
 cyclobutene [Option ID = 	11262]
complex was subjected to	immunoprecipitated with antibody against human "X". Which was raised in mouse. Immunoprecipitated SDS-PAGE, following with western blotting with antibodies to human "X" antibody (raised in mouse), then ted secondary antibody to mouse, results in appearance of three distinct protein bands. This indicates [Question
complex was subjected to probed with HRP conjugat ID = 2791] 1. One band is "X" protein an 2. One band is "X" protein, of	SDS-PAGE, following with western blotting with antibodies to human "X" antibody (raised in mouse), then ted secondary antibody to mouse, results in appearance of three distinct protein bands. This indicates [Question d other two protein bands are IgG H chain, and IgG L chain [Option ID = 11162] ther two bands are non specific [Option ID = 11161]
complex was subjected to probed with HRP conjugat ID = 2791] 1. One band is "X" protein an 2. One band is "X" protein, of 3. All three protein bands are	SDS-PAGE, following with western blotting with antibodies to human "X" antibody (raised in mouse), then ted secondary antibody to mouse, results in appearance of three distinct protein bands. This indicates [Question d other two protein bands are IgG H chain, and IgG L chain [Option ID = 11162]
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complex was subjected to probed with HRP conjugat ID = 2791] 1. One band is "X" protein an 2. One band is "X" protein, of 3. All three protein bands are 4. Degradation product of Pro- Correct Answer :-	SDS-PAGE, following with western blotting with antibodies to human "X" antibody (raised in mouse), then ted secondary antibody to mouse, results in appearance of three distinct protein bands. This indicates [Question d other two protein bands are IgG H chain, and IgG L chain [Option ID = 11162] ther two bands are non specific [Option ID = 11161] of "X" protein [Option ID = 11164]
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 complex was subjected to probed with HRP conjugat ID = 2791] 1. One band is "X" protein and 2. One band is "X" protein data and 3. All three protein bands are 4. Degradation product of Proceed Answer :- One band is "X" protein and 3. All three protein bands are 4. Degradation product of Proceed Answer :- One band is "X" protein and 3. All three protein bands are 4. Degradation product of Proceed Answer :- One band is "X" protein and 9. All three condition [Option 2. When lactose and glucose 4. Any lactose is present [Option 2. When glucose is present [Option 2. When glucose is present [Option 10] Correct Answer :- only lactose is present [Option 10] 1. nucleophile [Option ID] = 1 2. a protic acid [Option ID] = 1 	SDS-PAGE, following with western blotting with antibodies to human "X" antibody (raised in mouse), then ted secondary antibody to mouse, results in appearance of three distinct protein bands. This indicates [Question d other two protein bands are IgG H chain, and IgG L chain [Option ID = 11162] ther two bands are non specific [Option ID = 11161] of "X" protein [Option ID = 11164] tetin "X" [Option ID = 11163] nd other two protein bands are IgG H chain, and IgG L chain [Option ID = 11162] nd other two protein bands are IgG H chain, and IgG L chain [Option ID = 11162] nd other two protein bands are IgG H chain, and IgG L chain [Option ID = 11162] nd other two protein bands are IgG H chain, and IgG L chain [Option ID = 11162] nd other two protein bands are IgG H chain, and IgG L chain [Option ID = 11162] nd other two protein bands are IgG H chain, and IgG L chain [Option ID = 11162] nd other two protein bands are IgG H chain, and IgG L chain [Option ID = 11162] nd other two protein bands are IgG H chain, and IgG L chain [Option ID = 11162] plowing conditions Lac operon will be functional? ID = 11128] both are present in the media [Option ID = 11126] galactose are provided in the medium together [Option ID = 11125] totin ID = 11127] Question ID = 2819] 11275] 11275] 11274]
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[Question ID = 2817]	
1. DNA Cleavage [Option ID = 11265]	
2. Formation of hydroxyl radicals [Option ID = 11266]	
3. Formation of GG adducts [Option ID = 11267] 4. Formation of AA adducts [Option ID = 11268]	
Correct Answer :-	
• Formation of GG adducts [Option ID = 11267]	
18) What you mean by a lead compound in drug	g discovery? [Question ID = 2796]
1. A compound that acts as the starting point for drug	
2. A drug which is normally the first to be prescribed for 3. A drug containing the element lead [Option ID = 11	
4. A leading drug in a particular area of medicine [Opti	
Correct Answer :-	
• A compound that acts as the starting point for drug	g design [Option ID = 11183]
19) Canscora decussata is more commonly know	wn as [Question ID = 2824]
1. shankhpushpi [Option ID = 11295]	
2. hibiscus [Option ID = 11294]	
3. bel [Option ID = 11296]	
4. amla [Option ID = 11293]	
Correct Answer :-	
 shankhpushpi [Option ID = 11295] 	
1. Arginine [Option ID = 11154] 2. Asparagine [Option ID = 11155] 3. Histidine [Option ID = 11156] 4. Lysine [Option ID = 11153]	
Correct Answer :-	
• Lysine [Option ID = 11153]	
 21) A stronger than normal stimulus can cause a [Question ID = 2780] 1. spike potential [Option ID = 11119] 2. absolute refractory period [Option ID = 11117] 3. overshoot [Option ID = 11120] 	excitation of nerve or muscle during
4. relative refractory period [Option ID = 11118]	
Correct Answer :-	
• relative refractory period [Option ID = 11118]	
22) Pluripotency in the cell is maintained by thr [Question ID = 2801]	ree transcription factors. Which one of the following is correct?
1. Sox2, CDX2, Nanog [Option ID = 11204]	
2. Oct4, CDX2, Nanog [Option ID = 11203]	
3. Oct4, Sox2, CDX2 [Option ID = 11202]	
4. Oct4, Sox2, Nanog [Option ID = 11202]	

208 will remain unchanged after 9.3 minutes? [Question ID = 2809]

-	on [Option ID = 11151] n [Option ID = 11150]
Question ID	= 2788]
he modifica	tion that the protein undergoes is likely to be
. Isoelectric	oved more slowly on SDS PAGE Focusing (IEF) showed that there was no change in the PI trometric analysis showed that the modification was on serine
7) A proteir esults were	n undergoes posttranslational modification. In an experiment to identify the nature of modification, following experimental obtained:
orrect Answ blood press	ver :- ure in Glomerular capillaries is higher than systemic capillary [Option ID = 11116]
. blood pressu . filtration rate	ure in systemic capillary is higher than glomerular [Option ID = 11114] ure in Glomerular capillaries is higher than systemic capillary [Option ID = 11116] e is low in Glomerular capillaries [Option ID = 11115] a of glomerular capillary is more [Option ID = 11113]
6) Differen Question ID	ce between systemic and glomerular capillaries is = 2779]
the Xist-dele	eted chromosome will always be active. [Option ID = 11211]
orrect Answ	ver :-
. the Xist-dele	eted chromosome will always be inactivated. [Option ID = 11210] eted chromosome will always be active. [Option ID = 11211]
	t be any X chromosome inactivation. [Option ID = 11209] ndom, either the deleted or the normal X chromosome will be inactivated. [Option ID = 11212]
ompensatio	non-coding RNA mapping on the X chromosome in the mouse, and is necessary for X chromosome inactivation and dosage n. An XX cell, has a deletion of the Xist locus in one of the X chromosomes. What is the pattern of X-inactivation you expect in Question ID = 2803]
Neuronal ce	Il bodies [Option ID = 11299]
orrect Answ	
. Neuronal ce	Il bodies [Option ID = 11299] rectes [Option ID = 11298]
	and Oligodendrocytes [Option ID = 11300] on ID = 11297]
4) White m	atter in brain lacks [Question ID = 2825]
0.26 [Option	n ID = 11234]
orrect Answ	- ver :-
	n ID = 11236] n ID = 11234]

[Question ID = 2813]

an anti-tumor antibiotic [Option ID = 11251]
 anti-hypertensive drug [Option ID = 11249]
 anti-hypercholesterolemic drug [Option ID = 11250]
 anti- HIV drug [Option ID = 11252]

Correct Answer :-

• an anti-tumor antibiotic [Option ID = 11251]

29) 5g of benzaldehyde will yield x g of benzoic acid upon oxidation

[Question ID = 2810]

1. x = 6.00g [Option ID = 11240] 2. x = 5.30g [Option ID = 11237] 3. x = 5.50g [Option ID = 11238] 4. x = 5.75g [Option ID = 11239]

Correct Answer :-

• x = 5.75g [Option ID = 11239]

30) Ashwagandha is a natural product with

[Question ID = 2823]

none of these [Option ID = 11292]
 the property of preventing gastric ulcers [Option ID = 11290]
 the property of preventing amoebic infections [Option ID = 11291]
 anti-stress and anti-cancer activity [Option ID = 11289]

Correct Answer :-

anti-stress and anti-cancer activity [Option ID = 11289]

31) BH3 domain containing protein is

[Question ID = 2786]

1. receptor tyrosine kinase [Option ID = 11143]

- 2. src kinase [Option ID = 11144]
- 3. apoptotic protein [Option ID = 11141]
- 4. anti-apoptotic protein [Option ID = 11142]

Correct Answer :-

• apoptotic protein [Option ID = 11141]

32) Radiolabelling of DNA with P³² radioisotope takes place at

[Question ID = 2784]

1. phosphodiester bonds [Option ID = 11135]

- 2. none of these [Option ID = 11136]
- 3. 3' end of DNA [Option ID = 11134]
- 4. 5' end of DNA [Option ID = 11133]

Correct Answer :-

5' end of DNA [Option ID = 11133]

33) Tendency of cells to form colonies is increased by

[Question ID = 2783]

- 1. incubation with calcium chelators [Option ID = 11132]
- 2. inhibiting intracellular calcium [Option ID = 11131]
- 3. inhibiting extracellular calcium [Option ID = 11129]
- 4. increasing extracellular calcium [Option ID = 11130]

Correct Answer :-

increasing extracellular calcium [Option ID = 11130]

34) The enzyme lactate dehydrogenase converts [Question ID = 2812]

1. lactate to acetaldehyde [Option ID = 11246]

2. pyruvate to lactate [Option ID = 11245]

- 3. pyruvate to acetaldehyde [Option ID = 11247]
- 4. acetaldehyde to acetic acid [Option ID = 11248]

Correct Answer :-

• pyruvate to lactate [Option ID = 11245]

35) How many pi molecular orbitals are present in hexatriene?

[Question ID = 2815]

1. 5 [Option ID = 11258] 2. 4 [Option ID = 11257] 3. 12 [Option ID = 11260] 4. 6 [Option ID = 11259]

Correct Answer :-

• 6 [Option ID = 11259]

36) How many molecular orbitals are formed by combining 4 atomic orbitals?

[Question ID = 2820]

1. 4 [Option ID = 11279] 2. 2 [Option ID = 11277] 3. 3 [Option ID = 11278] 4. 8 [Option ID = 11280]

Correct Answer :-

• 4 [Option ID = 11279]

37) To determine the stability of protein "A" under stimulus of hormone to cells, which of the following experiments should be carried out?

[Question ID = 2781]

- 1. Cell should be grown in the presence and absence of hormone. After different time intervals, protein is isolated and fractionated on SDS-PAGE and western blot performed [Option ID = 11122]
- 2. Purified protein A should be incubated with hormone for different time intervals. Do SDS-PAGE followed by western to see how much protein is present [Option ID = 11124]
- 3. Extract total protein from the cell. In one tube add hormone and in another tube add buffer. Carry out western blotting for the protein A, using specific antibodies at different time intervals. [Option ID = 11121]
- 4. Culture the cells in the presence and absence of hormones for 48hrs. Now add cyclohexamide and incubate cells again for different times (2-4 hrs etc). Isolate the total protein and do western blot for the protein A. [Option ID = 11123]

Correct Answer :-

• Culture the cells in the presence and absence of hormones for 48hrs. Now add cyclohexamide and incubate cells again for different times (2-4 hrs etc). Isolate the total protein and do western blot for the protein A. [Option ID = 11123]

38) In an experiment to detect DNA methylation in regulatory region of globin gene, which of the following method is recommended?

[Question ID = 2790]

- 1. PCR amplification and sequencing [Option ID = 11157]
- 2. Restriction enzyme digestion and southern hybridization [Option ID = 11160]
- 3. Digestion with methylated sensitive restriction enzyme and electrophoresis [Option ID = 11158]
- 4. Digestion with methylation sensitive restriction enzyme and southern hybridization [Option ID = 11159]

Correct Answer :-

Digestion with methylation sensitive restriction enzyme and southern hybridization [Option ID = 11159]

39) In a population from a recently discovered island in the Indian ocean, most of the people were of blood group O. This indicates that

[Question ID = 2804]

- 1. This a case of pseudo-genes [Option ID = 11215]
- 2. This is a case of pseudo-dominance [Option ID = 11216]
- 3. This is due to high rate of mutation [Option ID = 11214]
- 4. Blood group O is a truly dominant allele [Option ID = 11213]

 This is a case of pseudo-dominance [Option ID = 11216] (a) Which phospholipid inhibits the release of Cytochrome c from the mitochondria? (Question ID = 2785] (a) Cardiolipin [Option ID = 11139] (b) Phospholity Structure (Option ID = 11139] (c) Andiolipin [Option ID = 1120] (c) Andion [Option ID = 1122] (c) Andion [Option ID = 1127] (c) Andion [Option ID = 1127] (c) Andion [Option ID = 11176] (c) Andion [Option ID = 11177] (c) Andion [Option ID = 11177] (c) Andion [O	Correct Answer :-	
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<pre>4. None of these [Option ID = 11140] Correct Answer :-</pre>		
Correct Answer :- Cardiolipin (Option ID = 11139)		
 Cardiolipin [Option ID = 11139] 31) Which cytokine is primarily responsible for auto immune response? Question ID = 2800] 1.1-1 [Option ID = 11199] 2.1-2 [Option ID = 11199] 2.1-3 [Option ID = 11199] 3.1-5 [Option ID = 11199] 3.1-5 [Option ID = 11199] 3.1-5 [Option ID = 11199] 2.1-7 [Option ID = 11200] A.1-5 [Option ID = 11200] A.1-5 [Option ID = 11200] A.1-5 [Option ID = 11200] A.2- petide degenerates to an on chiral, 2, 2₇ helical ribbon [Option ID = 11221] 4. n = 5 is a 3.6₁₅ helix [Option ID = 11223] 3. n = 5 is a 3.6₁₅ helix [Option ID = 11224] Correct Answer :- A = 2- petide degenerates to a non chiral, 2, 2₇ helical ribbon [Option ID = 11221] 4. n = Conformation of the polypeptide backtone [Option ID = 11221] 4. n = Conformation of the polypeptide backtone [Option ID = 1127] 3. The conformation of the polypeptide backtone [Option ID = 11176] 4. The disaptive linkages [Option ID = 11174] 4. The disaptive linkages [Option ID = 11174] 4. Which of the following metal ions is used for the treatment of arthritis? (Question ID = 2127)] 4. Option ID = 2127] 4. Magnesium [Option ID = 11270] 4. Magne	$\mathbf{H} = \mathbf{H} \mathbf{H} \mathbf{H} \mathbf{H} \mathbf{H} \mathbf{H} \mathbf{H} \mathbf{H}$	
13) Which cytokine is primarily responsible for auto immune response? Question ID = 2800] 1. 11 [Option ID = 11199] 2. 117 (Option ID = 11197] 3. 15 (Option ID = 11197] 3. 15 (Option ID = 11197) 4. 17 (Option ID = 11200) 4. 17 (Option ID = 11220) 4. 17 (Option ID = 11222] 1. n=4 is an - helix (Option ID = 11222] 1. n=4 is an - helix (Option ID = 11223] 3. n=2, peptide degenerates to a non chiral, 2, 2 ₇ helical ribbon (Option ID = 11221] 4. n=5 is an alpha helix (Option ID = 11224) 5. n=2, peptide degenerates to a non chiral, 2, 2 ₇ helical ribbon [Option ID = 11221] 4. n=5 is an alpha designment and the following is NOT a part of the primary proteins structure? Question ID = 2794] 1. The disulphide linkages (Option ID = 11174) 4. The disulphide linkages (Option ID = 11175] Correct Answer :- 4. The disulphide linkages (Option ID = 11174) 4. Which of the following metal lone is used for the treatment of arthritis? Question ID = 2818] 4. Magnesium (Option ID = 11272) 4. Which of the following metal lone is used for the treatment of arthritis? 2. Oper (Option ID = 11270) 3. Odd (Option ID = 11270) 3. Silver (Option ID = 11272) 3. Silver (Option ID = 11272) 4. Silver (Option ID = 11272) 5. Option ID = 11270] 5. Silver (Option ID = 11270) 5. S		
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<pre>Question D = 2800] 1. 1.1 [Option ID = 11199] 2. 1.1.7 [Option ID = 11198] Correct Answer :- 1. 1.1.7 [Option ID = 11198] Correct Answer :- 1. 1.1.7 [Option ID = 11200] 422 Which of the following is true, if carbonyl (C=O) group of ith residue in a polypeptide chain hydrogen bonds with i+n residue, where Question ID = 2806] 1. n=4 is a Tr. helix (Option ID = 11222] 2. n=3 is an alpha helix (Option ID = 11222] 3. n=3 is an alpha helix (Option ID = 11222] 3. n=3 is an alpha helix (Option ID = 11222] 4. n=5 is a 3.6₁₃ helix (Option ID = 11224] Correct Answer :- 1. n=2, peptide degenerates to a non chiral, 2, 2₇ helical ribbon [Option ID = 11221] 4. n=5 is a 3.6₁₃ helix (Option ID = 11174] E. The anino add sequences (Option ID = 11174] E. The anino add sequences (Option ID = 11175] Correct Answer :- 1. The disulphide linkages (Option ID = 11175] Correct Answer :- 1. The disulphide linkages (Option ID = 11174] E. The anino add sequences (Option ID = 11175] Correct Answer :- 1. The disulphide linkages (Option ID = 11174] E. The anino add sequences (Option ID = 11175] Correct Answer :- 1. The disulphide linkages (Option ID = 11175] Correct Answer :- 1. The disulphide linkages (Option ID = 11174] E. The anino add sequences (Option ID = 11175] E. Option ID = 2818] I. How present (Option ID = 11174] E. The anino add sequences (Option ID = 11175] E. Option ID = 2818 I. How present (Option ID = 11174] E. The anino add sequences (Option ID = 11175] E. Option ID = 2818 I. How present (Option ID = 11174] E. How present (Option ID = 11175] E. Option ID = 11270] I. Option ID = 11270]</pre>	1) Which cytokine is primarily responsible for auto immune response?	
 I. 1-1 [Option ID = 11199] I. 1-2 [Option ID = 11120] I. 1-5 [Option ID = 11198] Correct Answer :- I. 1-7 [Option ID = 11200] 122) Which of the following is true, if carbonyl (C=O) group of 1th residue in a polypeptide chain hydrogen bonds with i+n residue, where Question ID = 2806] I. n=4 is a -n-helix (Option ID = 11222] I. as an alpha helix (Option ID = 11222] I. as an alpha helix (Option ID = 11222] I. as an alpha helix (Option ID = 11222] I. as an alpha helix (Option ID = 11222] I. as an alpha helix (Option ID = 11224] Correct Answer :- I. n=2, peptide degenerates to a non chiral, 2, 2₇ helical ribbon [Option ID = 11221] I. as an on chiral, 2, 2₇ helical ribbon [Option ID = 11221] Barnio add sequences (Option ID = 11174] The disulphide linkages (Option ID = 11175] Correct Answer :- I. the disulphide linkages (Option ID = 11173] I. the disulphide linkages (Option ID = 11175] Correct Answer :- I. the disulphide linkages (Option ID = 11173] I. the disulphide linkages (Option ID = 11175] Correct Answer :- I. the disulphide linkages (Option ID = 11175] Correct Answer :- I. The disulphide linkages (Option ID = 11175] Correct Answer :- I. The disulphide linkages (Option ID = 11175] Correct Answer :- I. The disulphide linkages (Option ID = 11174] All which of the following metal ions is used for the treatment of arthritis? Question ID = 2818] I. Which of the following metal ions is used for the treatment of arthritis? Advection ID = 11270] Source (Option		
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Correct Answer :- IL-17 [Option ID = 11200]		
 * 11-17 [Option ID = 11200] ************************************	r. 12-5 [option 10 – 11136]	
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Question ID = 2806] 1. n=4 is a m- helix [Option ID = 11222] 2. n=3 is an alpha helix [Option ID = 11223] 3. n=2, peptide degenerates to a non chiral, 2, 2 ₇ helical ribbon [Option ID = 11221] 4. n=5 is a 3.6 ₁₃ helix [Option ID = 11224] Correct Answer :- n=2, peptide degenerates to a non chiral, 2, 2 ₇ helical ribbon [Option ID = 11221] 43) Which of the following is NOT a part of the primary proteins structure? iQuestion ID = 2794] 1. The disulphide linkages [Option ID = 11174] 2. The amino add sequences [Option ID = 11174] 3. The conformation of the polypeptide backbone [Option ID = 11175] Correct Answer :- n The disulphide linkages [Option ID = 11174] 4. The balan child sequences [Option ID = 11174] 5. The amino add sequences [Option ID = 11175] Correct Answer :- n The disulphide linkages [Option ID = 11174] 4. Which of the following metal ions is used for the treatment of arthritis? Question ID = 2818] 1. Magnesium [Option ID = 11272] 2. Copper [Option ID = 11272] 2. Copper [Option ID = 11272] 3. Goid [Option ID = 11272] 3. Sher [Option ID = 11272] 3. Sher [Option ID = 11275]		
Question ID = 2806] 1. n=4 is a m- helix [Option ID = 11222] 2. n=3 is an alpha helix [Option ID = 11223] 3. n=2, peptide degenerates to a non chiral, 2, 2 ₇ helical ribbon [Option ID = 11221] 4. n=5 is a 3.6 ₁₃ helix [Option ID = 11224] Correct Answer :- n=2, peptide degenerates to a non chiral, 2, 2 ₇ helical ribbon [Option ID = 11221] 43) Which of the following is NOT a part of the primary proteins structure? iQuestion ID = 2794] 1. The disulphide linkages [Option ID = 11174] 2. The amino add sequences [Option ID = 11174] 3. The conformation of the polypeptide backbone [Option ID = 11175] Correct Answer :- n The disulphide linkages [Option ID = 11174] 4. The balan child sequences [Option ID = 11174] 5. The amino add sequences [Option ID = 11175] Correct Answer :- n The disulphide linkages [Option ID = 11174] 4. Which of the following metal ions is used for the treatment of arthritis? Question ID = 2818] 1. Magnesium [Option ID = 11272] 2. Copper [Option ID = 11272] 2. Copper [Option ID = 11272] 3. Goid [Option ID = 11272] 3. Sher [Option ID = 11272] 3. Sher [Option ID = 11275]	¹²) Which of the following is true, if carbonyl (C=O) group of i th residue in a polypeptide chain h	vdrogen bonds with i+n residue, where
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Question ID = 2794] 1. The disulphide linkages [Option ID = 11173] 2. The amino acid sequences [Option ID = 11173] 3. The conformation of the polypeptide backbone [Option ID = 11176] 4. The planar nature of the amide linkage [Option ID = 11175] Correct Answer :- • The disulphide linkages [Option ID = 11174] 44) Which of the following metal ions is used for the treatment of arthritis? Question ID = 2818] 1. Magnesium [Option ID = 11272] 2. Copper [Option ID = 11270] 3. Gold [Option ID = 11271] 4. Silver [Option ID = 11269] Correct Answer :-		
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 3. The conformation of the polypeptide backbone [Option ID = 11176] 4. The planar nature of the amide linkage [Option ID = 11175] Correct Answer :- The disulphide linkages [Option ID = 11174] 44) Which of the following metal ions is used for the treatment of arthritis? (Question ID = 2818] 1. Magnesium [Option ID = 11272] 2. Copper [Option ID = 11270] 3. Gold [Option ID = 11271] 4. Silver [Option ID = 11269] Correct Answer :- 		
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 44) Which of the following metal ions is used for the treatment of arthritis? CQuestion ID = 2818] 1. Magnesium [Option ID = 11272] 2. Copper [Option ID = 11270] 3. Gold [Option ID = 11271] 4. Silver [Option ID = 11269] Correct Answer :-	Correct Answer :-	
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CQuestion ID = 2818] 1. Magnesium [Option ID = 11272] 2. Copper [Option ID = 11270] 3. Gold [Option ID = 11271] 4. Silver [Option ID = 11269]		
1. Magnesium [Option ID = 11272] 2. Copper [Option ID = 11270] 3. Gold [Option ID = 11271] 4. Silver [Option ID = 11269]		
2. Copper [Option ID = 11270] 3. Gold [Option ID = 11271] 4. Silver [Option ID = 11269] Correct Answer :-		
3. Gold [Option ID = 11271] 4. Silver [Option ID = 11269] Correct Answer :-		
4. Silver [Option ID = 11269] Correct Answer :-		
Gold [Option ID = 11271]		
	Lorrect Answer :-	

[Question ID = 2814]

3. Ethidium bromide is	DNA alkylator [Option ID = 11256] groove binder [Option ID = 11255] a minor groove binder [Option ID = 11253]
4. Ethidium bromide in	tercalates with DNA [Option ID = 11254]
Correct Answer :- • Ethidium bromide in	ntercalates with DNA [Option ID = 11254]
46) Which of the fo	llowing statements is false about the NMR experiment?
[Question ID = 2792	2]
 The energy different When energy absorption 	I to flip the spin of a system is in the infrared region of the electromagnetic spectrum [Option ID = 11165] ce between two spin states depends on the strength of the magnetic field [Option ID = 11166] otion occurs, the nuclei are said to be in resonance with the electromagnetic radiation [Option ID = 11167] gned with the magnetic field, its energy is lower than when its is aligned against the magnetic field [Option ID = 11168]
Correct Answer :-	
	d to flip the spin of a system is in the infrared region of the electromagnetic spectrum [Option ID = 11165]
ATT 1 1 1 1 1	
	llowing compounds has the most de-shielded proton?
[Question ID = 2793	-
1. CH_3I [Option ID = 1 2. CH_3F [Option ID = 1	•
3. CH_3CI [Option ID =	
4. CH ₃ Br [Option ID =	: 11171]
Correct Answer :-	
• CH ₃ F [Option ID =	11172]
-	llowing symmetry element is present in chloroform?
[Question ID = 282: 1. C_2 axis of symmetry 2. C_3 axis of symmetry 3. S_2 axis of symmetry	2] [Option ID = 11286] [Option ID = 11285] [Option ID = 11287]
 48) Which of the fo [Question ID = 282: 1. C₂ axis of symmetry 2. C₃ axis of symmetry 3. S₂ axis of symmetry 4. Center of symmetry Correct Answer :- 	2] [Option ID = 11286] [Option ID = 11285] [Option ID = 11287]
[Question ID = 282: 1. C ₂ axis of symmetry 2. C ₃ axis of symmetry 3. S ₂ axis of symmetry 4. Center of symmetry Correct Answer :-	2] [Option ID = 11286] [Option ID = 11285] [Option ID = 11287]
[Question ID = 282: 1. C_2 axis of symmetry 2. C_3 axis of symmetry 3. S_2 axis of symmetry 4. Center of symmetry Correct Answer :- • C_3 axis of symmetry	2] [Option ID = 11286] [Option ID = 11285] [Option ID = 11287] [Option ID = 11288] y [Option ID = 11285]
 [Question ID = 282: 1. C₂ axis of symmetry 2. C₃ axis of symmetry 3. S₂ axis of symmetry 4. Center of symmetry Correct Answer :- C₃ axis of symmetry 49) Which of these 	2] [Option ID = 11286] [Option ID = 11285] [Option ID = 11287] [Option ID = 11288] / [Option ID = 11285] can not pass through the glomerular capillaries under normal condition?
[Question ID = 282: 1. C ₂ axis of symmetry 2. C ₃ axis of symmetry 3. S ₂ axis of symmetry 4. Center of symmetry Correct Answer :- • C ₃ axis of symmetry 49) Which of these [Question ID = 277]	2] [Option ID = 11286] [Option ID = 11285] [Option ID = 11287] [Option ID = 11288] (Option ID = 11285] can not pass through the glomerular capillaries under normal condition? 7]
 [Question ID = 282: 1. C₂ axis of symmetry 2. C₃ axis of symmetry 3. S₂ axis of symmetry 4. Center of symmetry Correct Answer :- C₃ axis of symmetry 49) Which of these [Question ID = 2772] 1. Albumin [Option ID 	<pre>2] [Option ID = 11286] [Option ID = 11285] [Option ID = 11287] [Option ID = 11288] / [Option ID = 11285] can not pass through the glomerular capillaries under normal condition? /] = 11108]</pre>
[Question ID = 282: 1. C ₂ axis of symmetry 2. C ₃ axis of symmetry 3. S ₂ axis of symmetry 4. Center of symmetry Correct Answer :- • C ₃ axis of symmetry 49) Which of these [Question ID = 2772] 1. Albumin [Option ID = 3. Sodium [Option ID =	<pre>2] 2] 2[Option ID = 11286] [Option ID = 11285] [Option ID = 11287] [Option ID = 11288] 7[can not pass through the glomerular capillaries under normal condition? 7] = 11108] 11105] = 11106]</pre>
[Question ID = 282: 1. C ₂ axis of symmetry 2. C ₃ axis of symmetry 3. S ₂ axis of symmetry 4. Center of symmetry Correct Answer :- • C ₃ axis of symmetry 49) Which of these [Question ID = 277] 1. Albumin [Option ID = 2. Water [Option ID = 3. Sodium [Option ID = 4. Potassium [Option I	<pre>2] 2] 2[Option ID = 11286] [Option ID = 11285] [Option ID = 11287] [Option ID = 11288] 7[can not pass through the glomerular capillaries under normal condition? 7] = 11108] 11105] = 11106]</pre>
[Question ID = 282: 1. C ₂ axis of symmetry 2. C ₃ axis of symmetry 3. S ₂ axis of symmetry 4. Center of symmetry Correct Answer :- • C ₃ axis of symmetry 49) Which of these [Question ID = 277: 1. Albumin [Option ID = 2. Water [Option ID = 3. Sodium [Option ID = 4. Potassium [Option I = 4. Potassium [Option [Option I = 4. Potassium [Option [Option [Option I = 4. Potassium [Option [Optio	<pre>2] [Option ID = 11286] [Option ID = 11285] [Option ID = 11287] [Option ID = 11288] / [Option ID = 11285] can not pass through the glomerular capillaries under normal condition? /] = 11108] 11105] = 11106] D = 11107]</pre>
[Question ID = 282: 1. C_2 axis of symmetry 2. C_3 axis of symmetry 3. S_2 axis of symmetry 4. Center of symmetry Correct Answer :- • C_3 axis of symmetry 49) Which of these [Question ID = 277: 1. Albumin [Option ID = 3. Sodium [Option ID = 4. Potassium [Option ID = 4. Potassium [Option ID = 4. Albumin [Option ID = 5. Alb	<pre>2] [Option ID = 11286] [Option ID = 11285] [Option ID = 11287] [Option ID = 11288] / [Option ID = 11285] can not pass through the glomerular capillaries under normal condition? /] = 11108] 11105] = 11106] D = 11107]</pre>
[Question ID = 282: 1. C ₂ axis of symmetry 2. C ₃ axis of symmetry 3. S ₂ axis of symmetry 4. Center of symmetry Correct Answer :- • C ₃ axis of symmetry 49) Which of these [Question ID = 277: 1. Albumin [Option ID = 3. Sodium [Option ID = 3. Sodium [Option ID = 4. Potassium [Option ID = 4. Potassium [Option ID = 50) Benzotriazole c	<pre>2] [Option ID = 11286] [Option ID = 11285] [Option ID = 11287] [Option ID = 11288] / [Option ID = 11285] can not pass through the glomerular capillaries under normal condition? /] = 11108] 11105] = 11106] D = 11107] = 11108]</pre>
[Question ID = 282: 1. C ₂ axis of symmetry 2. C ₃ axis of symmetry 3. S ₂ axis of symmetry 4. Center of symmetry Correct Answer :- • C ₃ axis of symmetry 49) Which of these [Question ID = 277: 1. Albumin [Option ID = 3. Sodium [Option ID = 3. Sodium [Option ID = 4. Potassium [Option ID = 4. Potassium [Option ID = 50) Benzotriazole c 1. two nitrogen and or 2. three nitrogen atom	<pre>2] [Option ID = 11286] [Option ID = 11285] [Option ID = 11287] [Option ID = 11288] / [Option ID = 11285] can not pass through the glomerular capillaries under normal condition? /] = 11108] 11105] = 11106] D = 11107] = 11108] ontains [Question ID = 2811] we oxygen atom [Option ID = 11241] s [Option ID = 11243]</pre>
[Question ID = 282: 1. C ₂ axis of symmetry 2. C ₃ axis of symmetry 3. S ₂ axis of symmetry 4. Center of symmetry Correct Answer :- • C ₃ axis of symmetry 49) Which of these [Question ID = 277: 1. Albumin [Option ID = 3. Sodium [Option ID = 3. Sodium [Option ID = 4. Potassium [Option ID = 4. Potassium [Option ID = 50) Benzotriazole c 1. two nitrogen and or 2. three nitrogen atom 3. three nitro groups [<pre>2] [Option ID = 11286] [Option ID = 11285] [Option ID = 11287] [Option ID = 11288] / [Option ID = 11285] can not pass through the glomerular capillaries under normal condition? /] = 11108] 11105] = 11106] D = 11107] = 11108] ontains [Question ID = 2811] we oxygen atom [Option ID = 11241] s [Option ID = 11243]</pre>
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