BIF -401

QUIZE NO -02

1. The active region in a protein are present in interior of the protein _____ true.
2. Amino acids have a unique set of properties such as_____all of these.
3. How many years will be required for protein has 100 amino acids with 3 different conformation to compute all folding possibilities if it takes 1/10th of a nano-second?___1.6x10^30 years.
4. The procedure of how does a protein actually fold is _____ unknown.
5. Which of the following factors is most likely to influence how a protein folds into its native conformation ?_____ the establishment of bonding interactions with other parts of the peptide backbone.
6. If each amino acid cn take 3 different conformation an its parent protein has 100 amino acids , what will be the possibility of the combination _____5x10^47.
7. Residue of glycine increase backbone flexibility due to _____they have no R group
8. Information required to fold a protein is obtained from _____ a protein database.
9. CATH classifies protein by their _____ all these
10. Which of the following forces is favourable for protein folding ?_____hydrophobic interactins .
11. Proline residue reduce the flexibility of polypeptide chains while glycine increase flexibility due to the absence of R group _____true.
12. Which of the following is major cause of disease _____-protein instability.
13. Which of them contains all the information required to fold the polypeptide chains in its 3-D structure ?_____ amino acid sequence.
14. Proline cis-trans isomerization is a rate limiting step in _____ protein folding
15. Amino acids have a unique set of properties such as _____hydrophobicity .
16. All of the following are considered '' weak'' interactions in protein , except _____hydrophobic bond .

17. Which one the following is a major cause of disease?_____Dysregulated protein expressions .
18. Those amino acis which are chemically inactive reduce chances of destabilizing reaction in core _____true.
19. Protein fold to achieve _____ thermodynamic stability.
20. How much time required to compute all folding possibilities of protein ?_____both B&C
21. Which of them contains all the information required to fold the polypeptide chain in its 3-D se…?_____amino acid sequence.
22. Protein folding is a process in which a polypeptide fold into _____3-structure.
23. Which of the following forces is favorable for protein folding_____ hydrophobic interactions .
24. If a protein misfolded , then it can lead_____denaturing of protein .
25. A process by which a protein structure assumes its functional shape or conformation is?_____ folding .