Unit 4 - Week 2

Assignment 2

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2020-02-12, 23:59 IST.

1) The building block of proteins is *1 point*

- Nucleotides
- Amines
- Ribose sugars
- Amino acids

No, the answer is incorrect.
Score: 0
Accepted Answers:
Amino acids

2) Which of the following residues can form a hydrogen bond with side chain atoms? *1 point*

- Val
- Phe
- Ser
- Ala

No, the answer is incorrect.
Score: 0
Accepted Answers:
Ser

3) Which of the following group of amino acids are aromatic? *1 point*

- Ala, Leu and Val
- Trp, Tyr and Ile
- Phe, Tyr and Trp
- None of the above

No, the answer is incorrect.
Score: 0
Accepted Answers:
Phe, Tyr and Trp

4) Enzyme commission number contains *1 point*

- Four numbers separated by commas
- Four numbers separated by semicolons
- Four numbers separated by periods
- Four alphabets separated by periods

No, the answer is incorrect.
Score: 0
Accepted Answers:
Four numbers separated by periods

5) Sickle cell anaemia is due to *1 point*

- Mutation of Glu 6 to Val in haemoglobin
- Mutation of Val 6 to Glu in haemoglobin
- Mutation of Glu 6 to Val in myoglobin
- Mutation of Val 6 to Glu in myoglobin

No, the answer is incorrect.
Score: 0
Accepted Answers:
Mutation of Glu 6 to Val in haemoglobin

6) Active transport is the movement of molecules across a membrane *1 point*

- from a region of their lower to higher concentration
- from a region of their higher to lower concentration
- from a region of their lower to lower concentration
- from a region of their higher to higher concentration

No, the answer is incorrect.
Score: 0
Accepted Answers:
from a region of their lower to higher concentration

7) Main properties of channel proteins are *1 point*

- Gating
- Selective ion conduction
- Gating and selective ion conduction
- None of the above

No, the answer is incorrect.
Score: 0
Accepted Answers:
Gating and selective ion conduction

8) First developed database for protein sequences is *1 point*

- SWISS-PROT
- TrEMBL
- UniProt
- PIR

No, the answer is incorrect.
Score: 0
Accepted Answers:
PIR

9) Rarely occurring amino acid in protein sequences is *1 point*

- Cys
- Ala
- Glu
- Pro

No, the answer is incorrect.
Score: 0
Accepted Answers:
Cys

10) For the following alignment (match score: 1; mismatch score: 0, gaps: -1), what is the net score? *1 point*

ATAGATA
AAAA-CA

- 2
- 3
- 4
- 1

No, the answer is incorrect.
Score: 0
Accepted Answers:
2