

Unit 3 - Week 2

Course outline

How to access the portal?

Week 1

Week 2

● Lecture 6 : Electron transfer (ET) in living systems

● Lecture 7 : Oxygen transport and activation

● Lecture 8 : Hydrolytic Enzymes- Part I-Carbonic anhydrase & Liver alcohol dehydrogenase

● Lecture 9 : Hydrolytic Enzymes- Part II- Carbopeptidase

● Lecture 10 : Hydrolytic Enzymes- Part III-Arginase & Urease

○ Quiz : Assignment 2

○ Assignment 2 solution

○ Weekly Feedback

Week 3

Week 4

Week 5

Week 6

Week 7

Week 8

Weekly Feedback

Text Transcription

Download Videos

Assignment 2

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

Due on 2019-08-21, 23:59 IST.

Week 2 Assignment 2

1) Ferridoxine is 2 iron cluster ? True or False.

1 point

- True
 False

No, the answer is incorrect.
Score: 0

Accepted Answers:
True

2) Number of Aqua molecules and histidine units in Dinuclear Nickel Hydrolase are?

1 point

- 2, 5
 2, 3
 2, 4
 3, 2

No, the answer is incorrect.
Score: 0

Accepted Answers:
2, 4

3) What is distance between iron and sulphur cluster in $\text{Fe}_4\text{S}_4(\text{SR})_4^{2-}$?

1 point

- 1.190
 2.290
 2.267
 2.250

No, the answer is incorrect.
Score: 0

Accepted Answers:
2.267

4) Which two amino acid side chains are frequently found in EF hands and binds to Ca^{2+} ?

1 point

- Glutamate & histidine
 Aspartate & glutamate
 Histidine & cysteine
 Cysteine & aspartate

No, the answer is incorrect.
Score: 0

Accepted Answers:
Aspartate & glutamate

5) What is histidine binding site called in myoglobin?

1 point

- Distal site
 Coordination site
 Proximal site
 Reactive site

No, the answer is incorrect.
Score: 0

Accepted Answers:
Proximal site

6) What is the polymorphic nature of porphyrin in hemoglobin ?

1 point

- Monomeric
 Tetrameric
 Dimeric
 None

No, the answer is incorrect.
Score: 0

Accepted Answers:
Tetrameric

7) In superoxo species of myoglobin, the O-O bond is stronger and O-O stretch becomes higher.

1 point

- True
 False

No, the answer is incorrect.
Score: 0

Accepted Answers:
False

8) What is the sequence of Histidine amino acid units in carbonic anhydrase?

1 point

- 96, 94, 119
 93, 95, 199
 82, 96, 94
 88, 94, 119

No, the answer is incorrect.
Score: 0

Accepted Answers:
96, 94, 119

9) What is amino acid sequence for active site of Liveralcohol dehydrogenase?

1 point

- Cysteine174, Cysteine46
 Histidine146, Cysteine46
 Cysteine146, Histidine123
 Cysteine111, Cysteine174

No, the answer is incorrect.
Score: 0

Accepted Answers:
Cysteine174, Cysteine46

10) Which of following enzyme requires ATP for its function?

1 point

- Argino Succinate Lyase
 Arginase
 Glutaminase
 Argino Succino synthetase

No, the answer is incorrect.
Score: 0

Accepted Answers:
Arginase