Week 3 Assignment 3

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

Due on 29-08-21, 23:59 IST.

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1) What is oxidation state of dioxane in oxyhemerythrin after forming dimethyldioxospermoses species?
   -1
   -2
   0
   +2
   +3
   +5
   3 points
   No, the answer is incorrect.
   Accepted Answers:
   +2

2) What would be oxygen-oxygen stretch (in wave number) and bond distance (in Angstrom) for oxidized oxygen?
   -1418, 1.21
   -1195, 1.10
   -1097, 1.12
   -1097, 1.33
   3 points
   No, the answer is incorrect.
   Accepted Answers:
   -1097, 1.12

3) Oxyhemerythrin gives specific UV-Visible spectra at following wavelenghts.
   -300
   -256
   -302
   -402
   -406
   -904
   3 points
   No, the answer is incorrect.
   Accepted Answers:
   -300

4) What will be nature of this u-1,2-peroxo copper species?
   -Nonpolar
   -Exogenous
   -Neutral
   -Chelotropic
   3 points
   No, the answer is incorrect.
   Accepted Answers:
   -Neutral

5) What is Fe-O-Pu stretch in dioxomyerythrin?
   -950
   -966
   -968
   -994
   3 points
   No, the answer is incorrect.
   Accepted Answers:
   -994

6) In one of Peptide-glycine alpha hydrogen binding monooxygenase IEM it is not the C-terminus backbone of the prose residue which is getting hydrogenated selectively by using the active copper oxygen species.
   -True
   -False
   3 points
   No, the answer is incorrect.
   Accepted Answers:
   -False

7) Choose two correct statements.
   -According to Kiliman’s model, superoxide is active species in subunit hydrogenation.
   -According to Kiliman’s model dioxospermoses species is subtracting the hydrogen atom which is a key step in subunit hydrogenation.
   -According to Kiliman’s model superoxo superospermoses species is subtracting the hydrogen atom which is a key step in subunit hydrogenation.
   3 points
   No, the answer is incorrect.
   Accepted Answers:
   -According to Kiliman’s model, superoxide is active species in subunit hydrogenation.
   -According to Kiliman’s model superoxo superospermoses species is subtracting the hydrogen atom which is a key step in subunit hydrogenation.

8) What would be distance (in Angstrom) between O-O head in O₅⁻?
   -1.12
   -1.13
   -1.53
   -1.20
   3 points
   No, the answer is incorrect.
   Accepted Answers:
   -1.12

9) Autohemerythrin is active form of protein? True or False.
   -True
   -False
   3 points
   No, the answer is incorrect.
   Accepted Answers:
   -False

10) H₄ (Hemerythrin, Fe) is an Oxytransport protein. True or False.
    -True
    -False
    3 points
    No, the answer is incorrect.
    Accepted Answers:
    -True