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 2019-08-21, 23:59 IST.

1) The following molecules are — 1 point

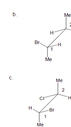
a. Enantiomers
b. Diastereomers
c. Constitutional isomers
d. Homomers

a.
b.
c.
d.

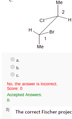
No, the answer is incorrect.
Score: 0
Accepted Answers:

2) The correct Saw Horse representation of the following molecule is — 1 point

a.



b.



c.

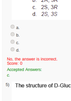
a.
b.
c.

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

3) The correct Fischer projection of (2S,3S)-2-hydroxy-3-chlorobutanoic acid — 1 point

a.

b.

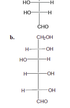


c.

a.
b.
c.

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

4) The absolute configuration of the following molecule is — 1 point



a. 2R, 3S
b. 2R, 3R
c. 2S, 3R
d. 2S, 3S

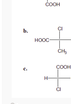
a.
b.
c.
d.

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

5) The structure of D-Glucose is shown. — 1 point

The structure of L-Glucose is

a.



b.

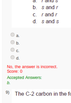
c.

a.
b.
c.

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

6) D-2-Chloro propionic acid is — 1 point

a.



b.

c.

a.
b.
c.

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

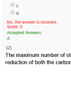
7) The absolute configuration of the following molecule is — 1 point

a. 2R, 3R
b. 2R, 3S
c. 2S, 3S
d. 2S, 3R

a.
b.
c.
d.

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

8) The absolute configurations in the following molecules are, respectively — 1 point



a. r and s
b. s and r
c. r and r
d. s and s

a.
b.
c.
d.

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

9) The C-2 carbon in the following molecule is — 1 point

a. Chirotopic and stereogenic
b. Achirotopic and stereogenic
c. Achirotopic and non-stereogenic
d. Chirotopic and non-stereogenic

a.
b.
c.
d.

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

10) The C-2 carbon in the following molecule is — 1 point

a. Chirotopic and stereogenic
b. Achirotopic and stereogenic
c. Achirotopic and non-stereogenic
d. Chirotopic and non-stereogenic

a.
b.
c.
d.

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

11) The number of stereoisomers possible for molecular formula CA_2B_2 where both A and B contain tetrahedral stereogenic centre (chiral centre) is — 1 point

a. 4
b. 6
c. 8
d. 10

a.
b.
c.
d.

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

12) The maximum number of stereoisomers that are possible to be obtained by $NaBH_4$ mediated reduction of both the carbonyl groups in the following molecule is — 1 point

a. 2
b. 4
c. 6
d. 8

a.
b.
c.
d.

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