

Unit 4 - Week 2 : OXIDIZING AGENT IN ORGANIC TRANSFORMATION PART-II

Course outline

How to access the portal?

Week 0: Prerequisites

WEEK 1: OXIDIZING AGENT IN ORGANIC TRANSFORMATION PART-I

Week 2 : OXIDIZING AGENT IN ORGANIC TRANSFORMATION PART-II

Lec 1: OXIDATION MEDIATED BY DDQ, CAN and SeO2

Lec 2: OXIDATION MEDIATED BY Mn and Ag

Lec 3: OXIDATION BY Ru, HYPERVALENT IODINE, Al and Na BASED REAGENTS

Quiz : Assignment-2

Feedback form

Week 3 : REDUCING AGENT IN ORGANIC TRANSFORMATION PART-I

Week 4 : REDUCING AGENT IN ORGANIC TRANSFORMATION PART-II

Week 5: ORGANIC TRANSFORMATIONS-USING NON-TRANSITION METALS PART-I

Live Session-1

Week 6: ORGANIC TRANSFORMATIONS-USING NON-TRANSITION METALS PART-II

Week 7: Organic Transformations-Using Non-Transition Metals Part-III

Week 8: ORGANIC TRANSFORMATIONS-USING TRANSITION METALS PART-I

week 9: ORGANIC TRANSFORMATIONS-USING TRANSITION METALS PART-II

Live Session-2

Week 10 : ORGANIC TRANSFORMATIONS-USING TRANSITION METALS PART-III

Week 11: ORGANIC TRANSFORMATIONS-USING TRANSITION METALS PART-IV

WEEK 12 : ORGANIC TRANSFORMATIONS-USING LANTHANIDES REAGENTS

Live Session-3

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) CAN is how many electron oxidant and which type of catalyst?

2 points

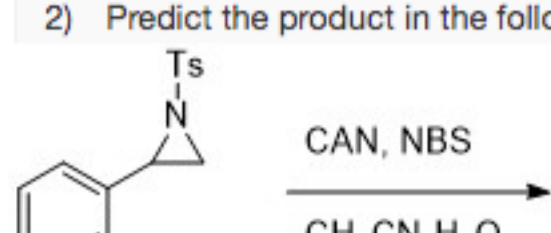
- a. 2, Lewis base
 b. 1, Lewis acid
 c. 2, Bronsted base
 d. 1, Bronsted acid

No, the answer is incorrect. Score: 0

Accepted Answers:
b. 1, Lewis acid

2) Predict the product in the following reaction.

2 points



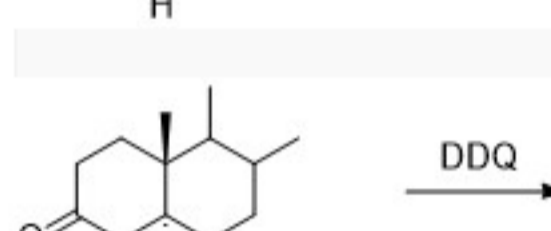
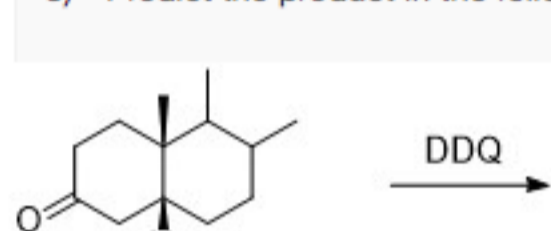
- a.
 b.
 c.
 d.

No, the answer is incorrect. Score: 0

Accepted Answers:
c.

3) Predict the product in the following reaction respectively.

4 points



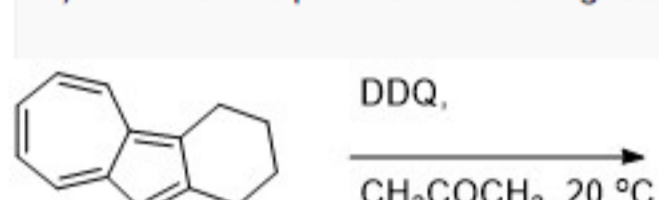
- a.
 b.
 c.
 d.

No, the answer is incorrect. Score: 0

Accepted Answers:
b.

4) Predict the product in following reaction.

2 points



- a.
 b.
 c.
 d.

No, the answer is incorrect. Score: 0

Accepted Answers:
d.

5) SeO2 and MnO2 oxidation proceed via which mechanism, respectively.

4 points

- a. Free radical, Ene reaction
 b. Ene reaction, Free radical
 c. Free radical, Free radical
 d. Ene reaction, Ene reaction

No, the answer is incorrect. Score: 0

Accepted Answers:
b. Ene reaction, Free radical

6) 2,6-dimethylhept-2-ene upon reaction with SeO2 gives which product?

2 points

- a. (E)-2,6-dimethylhept-2-enal
 b. 2,6-dimethylhept-2-en-4-ol
 c. (Z)-2,6-dimethylhept-2-en-1-ol
 d. (E)-2,6-dimethylhept-2-en-1-ol

No, the answer is incorrect. Score: 0

Accepted Answers:
d. (E)-2,6-dimethylhept-2-en-1-ol

7) What are the possible reagent for this following transformation?

2 points



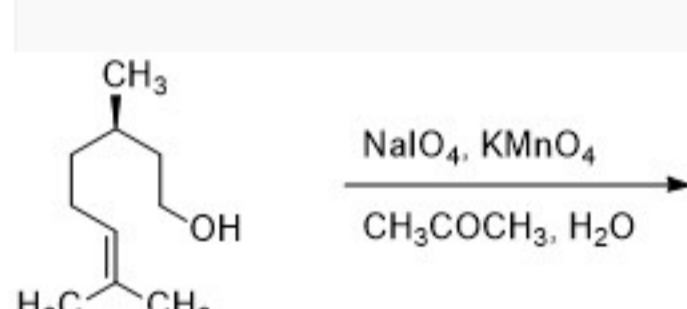
- a. Ag2CO3, DDQ
 b. Ag2CO3, CAN
 c. DDQ, DMP
 d. MnO2, SeO2

No, the answer is incorrect. Score: 0

Accepted Answers:
b. Ag2CO3, CAN

8) Predict the product in the following reaction.

2 points



- a.
 b.
 c.
 d.

No, the answer is incorrect. Score: 0

Accepted Answers:
d.