LØSNINGSFORSLAG

VÅR 2014

KJ 1020

20p. OPPGAVE 1

4p. A) 3 og 4 er kirale

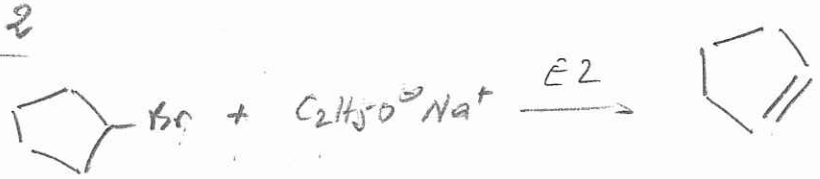
10p. B) a) I
b) E
c) I
d) K
e) D (cis/trans)

4p. C) a) (1S,3S)-3-klorsyklohekson-1-ol
b) (2S,4S)-2,4-dibrompentan

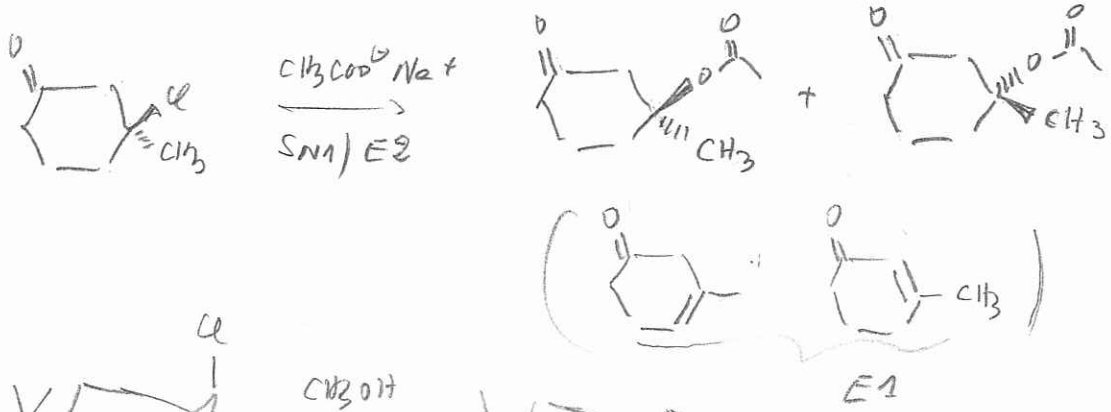
2p. D) molekyl 2 er den mest stabil
molekyl 4 den minst stabil

20p. OPPGAVE 2

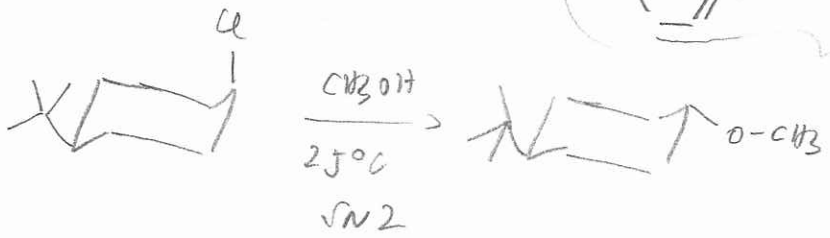
8p A) a)



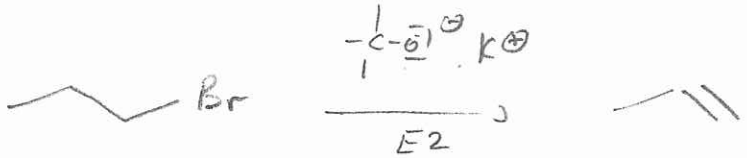
b)



c)



d)

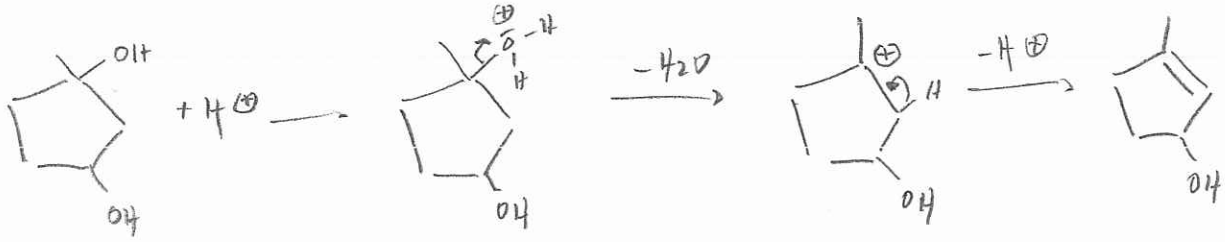


2p. B)

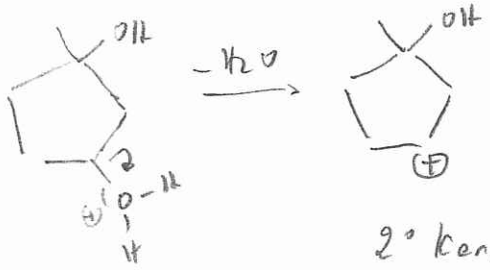
1 meso mer stabil

2 optisk aktiv

6p. C)



3° karbokation



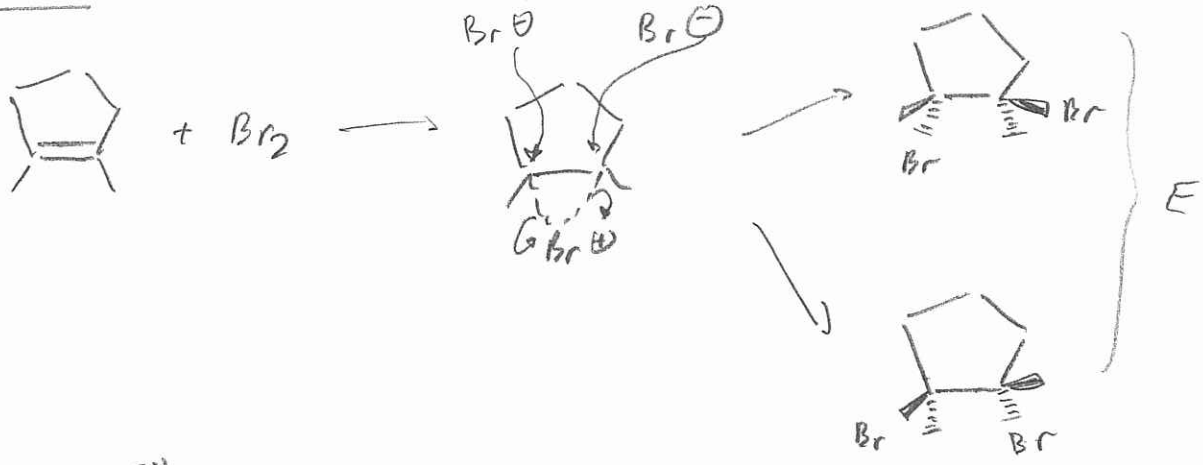
2° karbokation

4 D)

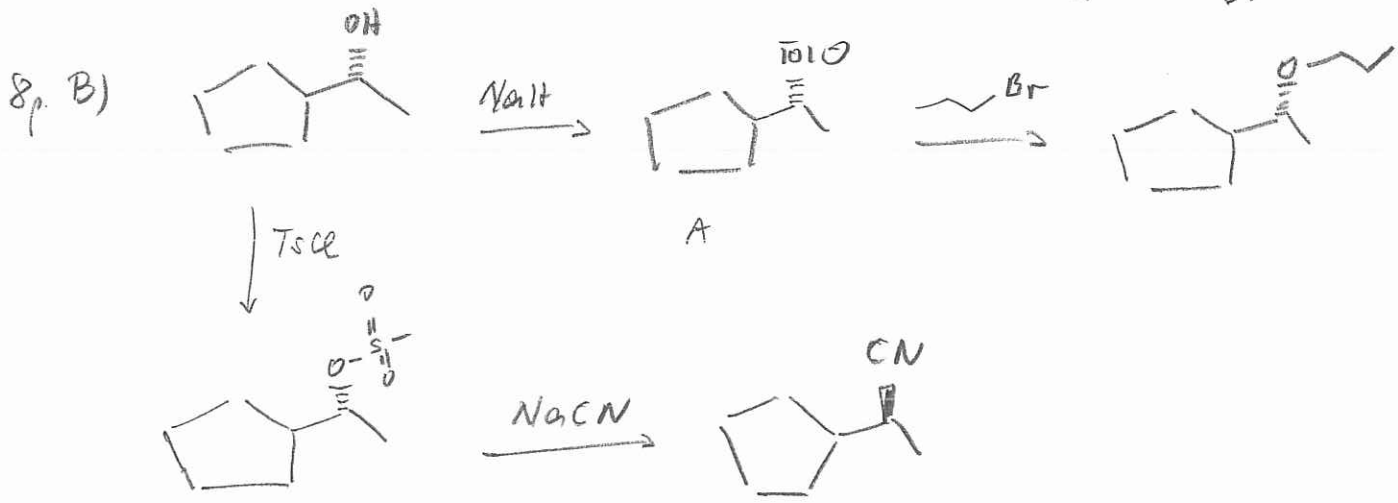
hovedprodukt
mest substituert d.b.

20p. OPPGAVE 3

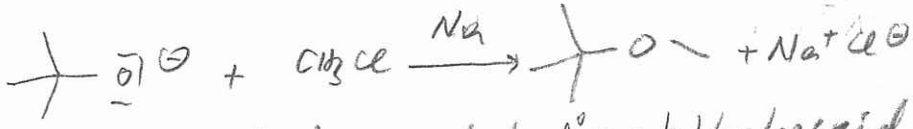
6p. A)



8p. B)



4 C) 1. metode:



beste metode 1° metylhalogenid

2. metode:

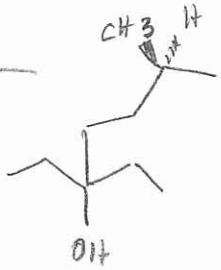
hovedprodukt

2p. D) Tamoxifen Z

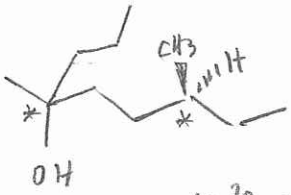
Tripdoliden E

20p. OPPGAVE 4

6p. A) a)



b)

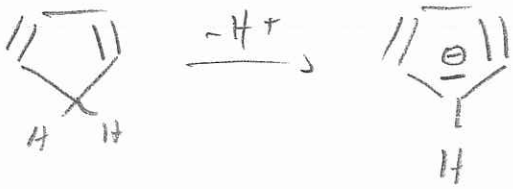


optisk aktiv

5p. B) a, b, d er aromatisk.

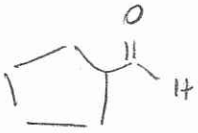
6π e⁻, 6π e⁻, 6π e⁻

3p. C)



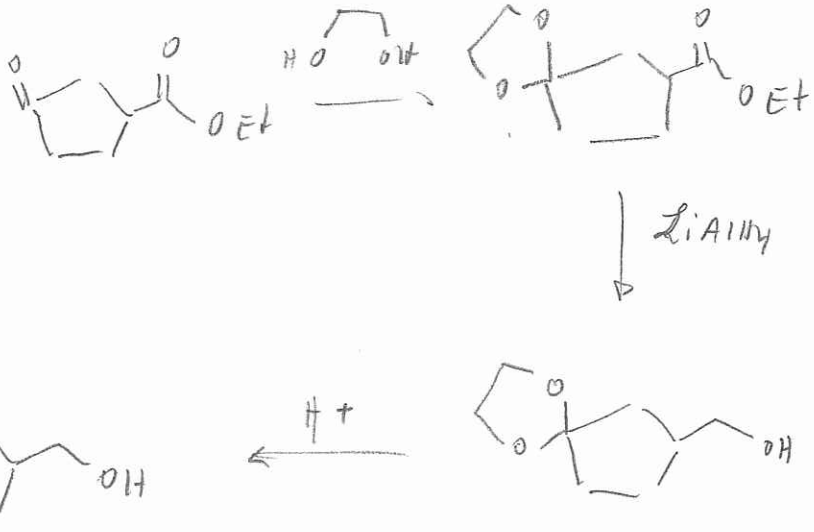
6π e⁻ aromatisk.

6p. D) 1p. a)



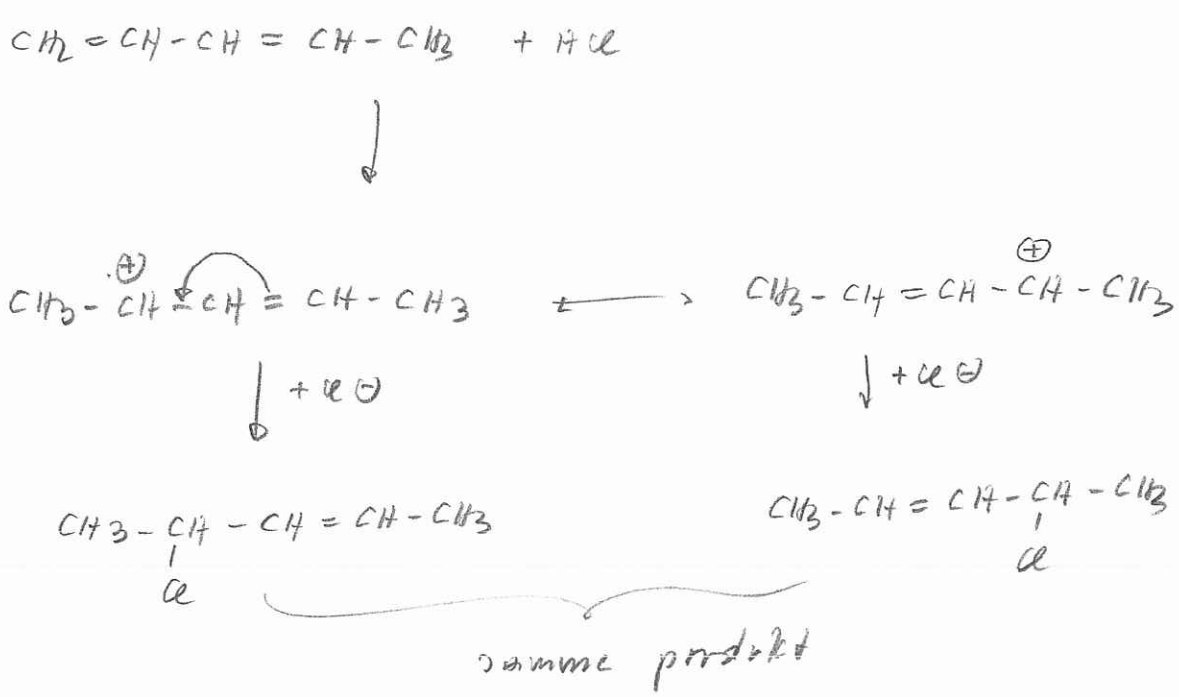
1p. b) KMnO4

4p. c)



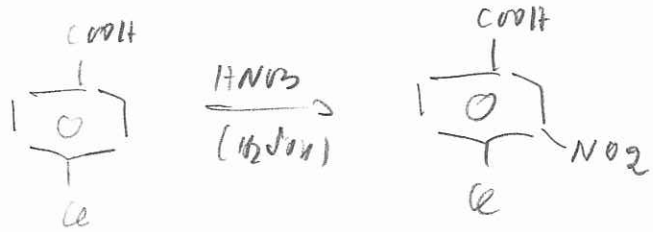
20p. OPPGAVE 5

6p. A)

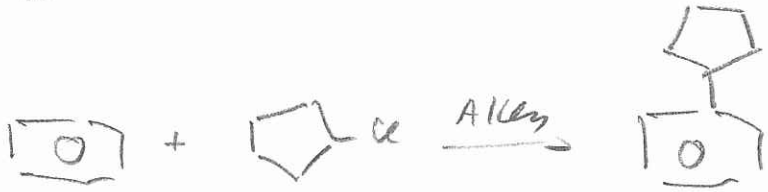


4p. B) i ① og ④ forventer man racemisering (α-H atomer)

6p. C) a)



b)



c)

4p. D)