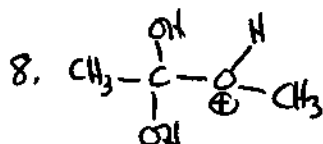
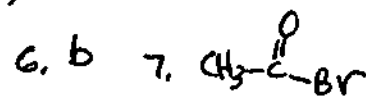
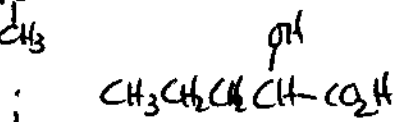
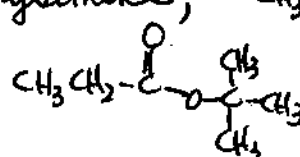
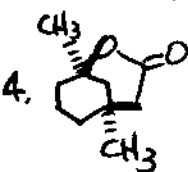
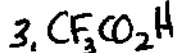
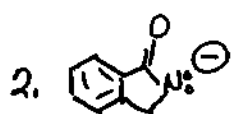


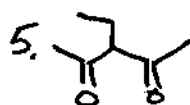
Ans. Key to Exam No.3

1. methyl-diethylamine or diethylmethylamine; CH3-N(CH3)CH2CH3
tetramethylammonium bromide; [N+](C)(C)(C)C.[Br-]



9. c

10. d

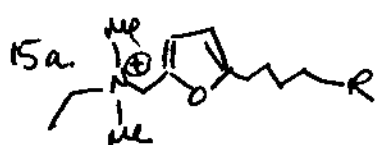


11. lactam

12. d

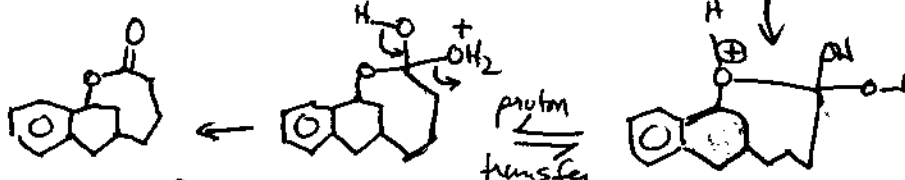
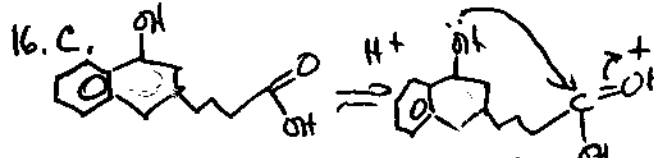
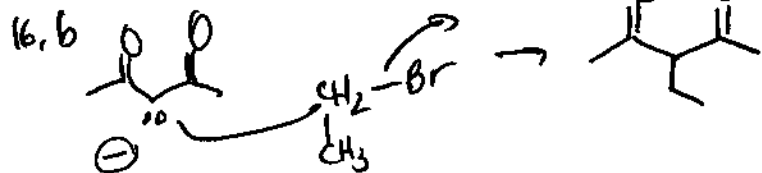
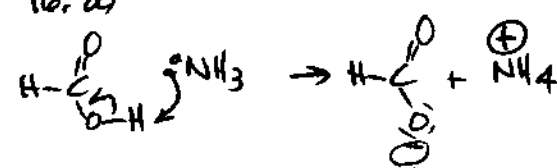


14. Q
P
K
T

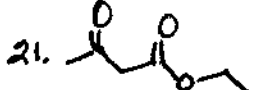


15b. f

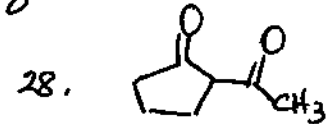
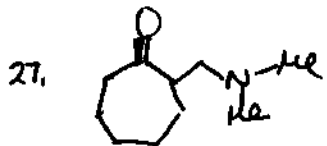
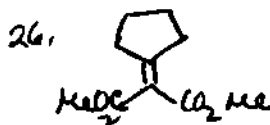
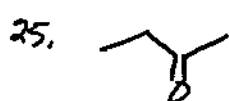
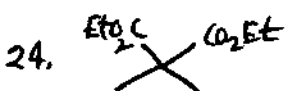
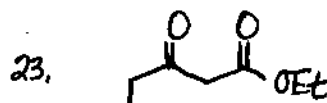
16. a)



17. c. 18. e 19. d 20. e



22. X is 2-heptanone and Y is a dialkyl acetoacetic ester



29.

t

g

u

n

r