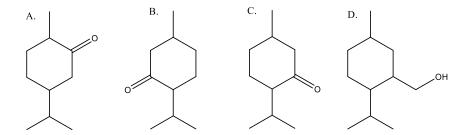
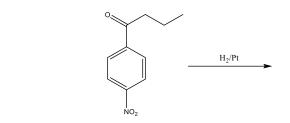
SAPMLE QUESTIONS FOR SY B. PHARM CBCS R-2019 OC-II ATKT EXAMS

1. When formaldehyde is treated with R-MgX,		is formed.	
A.	1º alcohol	C.	3º Alcohol
В.	2º Alcohol	D.	None of above
2. When Acetaldehyde is treated with R-MgX, is formed.			
A.	1º alcohol	C.	3° Alcohol
В.	2º Alcohol	D.	None of above
3. When Acetone is treated with R-MgX, is formed.			
A.	1º alcohol	c.	3° Alcohol
В.	2º Alcohol	D.	None of above
4. Aromatic amines can be converted into phenols using			
A.	Conc. HNO₃	C.	Conc. H ₂ SO ₄
В.	NaNO ₂ + HCl	D.	Fuming H ₂ SO ₄
5. Oxidation of primary alcohol gives			
A.	Aldehyde	C.	Ether
В.	Ketone	D.	Ester
6. Methylbenzene can be converted into aldehydes by			
A.	Oxidation	C.	Both A & B
В.	Reduction	D.	None of the above
7. Oxidation of secondary alcohol gives			
A.	Aldehyde	C.	Ether
В.	Ketone	D.	Ester
8. Identify the product for the following reaction:			
Reaction:			
OF OF	K ₂ Cr ₂ O ₇ , H ₂ SO ₄		



9. Identify the product for following reaction



- **10.**Upon reduction, aromatic nitro compounds undergo _____ formation.
 - A. Amines

C. Emines

B. Amides

D. Alkoxides

- **11.** Hydrolysis of nitriles gives_____.
 - A. Hydroxy compounds

C. Aromatic alcohol

B. Carboxylic acids

D. Aromatic amines

- 12. Addition of R-MgX to an aldehyde is an example of
 - A. Electrophilic addition

C. Nucleophilic addition

B. Electrophilic substitution

D. Nucleophilic substitution

- 13. In case of nucleophilic addition, the geometry of intermediate formed is
 - A. Trigonal (co-planner)

C. Tetrahedral

B. Trigonal (anti-planner)

D. Bipyramidal

- 14. Carbonyl compounds usually undergoes
 - A. Electrophilic addition

C. Nucleophilic addition

B. Electrophilic substitution

D. Nucleophilic substitution

15. A mixture of two liquids which has a constant boiling point throughout distillation is said to be

A. Azeotropic

C. Isomeric

B. Mesotropic

D. Polymorphic

16. In the presence of a concentrated alkali, aldehydes containing no alpha hydrogen undergoes

A. Cannizzaro reaction

C. Claisen reaction

B. Crossed Cannizzaro reaction

D. Crossed Claisen reaction

17. An aldehyde containing alpha hydrogen, when treated with concentrated alkali, it undergoes

A. Cannizzaro reaction

C. Aldol condensation

B. Crossed Cannizzaro reaction

D. Claisen reaction

18. Crossed Cannizzaro reaction is a reaction between

A. Two aldehydes

C. An aldehyde and formaldehyde

B. Two ketones

D. An aldehyde and a ketone

19. In case of electrophilic addition, which new bonds are formed?

A. Covalent bond

C. Sigma bonds

B. π -bond

D. Ionic bond

20. In case of electrophilic addition, which specific bond is broken?

E. Covalent bond

G. Sigma bond

F. π-bond

H. Ionic bond

21. Alkenes usually undergoes____

A. Electrophilic addition

C. Nucleophilic addition

B. Electrophilic substitution

D. Nucleophilic substitution

22. dentify the product for the following reaction.

Reaction:

$$+ Br_2 \xrightarrow{CCl_4}$$

$$H_3C$$
 H_3C
 H_3C

23. Markovnikov's rule is applicable for

- A. Symmetrical alkenesB. Unsymmetrical alkenesD. None of the above
- 24. When propene is treated with HBr in presence of a peroxide, the product formed is
 - A. Markovnikov's addition product C. Both A and B
 - **B.** Anti-Markovnikov's addition product D. None of the above
- 25. The reaction which converts an alkene into neutral alcohol is
 - A. Oxymercuration C. Self-oxidation-reduction
 - B. Hydrolysis D. All of above