

31/05/2024

Printing Pages :2

Paper Code: BP-301T

B (SVSU:2023-24/R)

Enrollment No.											
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B.PHARM
IInd YEAR, III SEMESTER EXAMINATION
PHARMACEUTICAL ORGANIC CHEMISTRY II
(BP301T)

[Time : 3:00 Hours]

[Max. Marks : 75]

I Long Question : Answer Any Two [10×2=20]

1. Give Preparation, reactions and uses of Anthracene.
2. Discuss Preparation, reactions and uses of benzene
3. Write Preparations, reactions & uses of Cycloalkane.

II. Short Question: Answer any Seven [5×7=35]

1. Write structure and uses of BHC.
2. Write preparation and applications of aromatic amine.
3. Discuss the Baeyer strain theory and its limitations.
4. Discuss reactions of Benzoic acid.
5. Discuss Modified Baeyer strain theory.
6. Explain Saponification and acid value of oils.
7. Discuss effect of substituents on reactivity and orientation of monosubstituted benzene
8. Give Preparation and uses of Chloramine .
9. Give preparation of Cyclobutane

III. Objectives Question: Answer All Question [20×1=20]

1. Which of the following compounds are more basic?
 a.) Aniline b.) Benzylamine
 (c) Acetanilide d.) Nitro aniline
2. Phenol used as
 a.) Antiseptic b.) Disinfectant
 c.) as anesthetic agent d.) All of these
3. Which of the following compound is aspirin
 a.) Methyl salicylate (b) Salicylic acid
 (c) Phenyl salicylate (d) Acetyl salicylate
4. Which of the following is not aromatic carboxylic acid
 a.) Malonic acid (b) Acetic acid (c) Picric acid (d) None
5. Liquid oils converted in to Solids fats by
 a.) Hydrolysis (b) Hydrogenation
 (c) Saponification no. (d) None

6. Alkaline hydrolysis of oils is called
 (a) Diazotisation (b) Fermentation
 (c) Saponification (d) Rancidification
7. Oleic acid containing
 (a) 12 carbons (b) 14 carbons
 (c) 16 carbons (d) 18 carbons
8. BHC is used as
 a.) Indicators b.) Insecticide c.) Antiseptic d.) None of these
9. Indicator is formed by
 a.) Cresol b.) Benzene c.) Phenol d.) None
10. Number of pi electrons in benzene ring
 a) 2 b) 6 c) 6 d) None of these
11. Basicity of aniline increases in the presence of
 a.) Nitro group b.) Chloro group
 c.) Methyl group d.) None
12. Acidity of Benzoic acid increases in the presence
 a.) Electron donating group
 b.) Electron attracting group c.) Both d.) None
13. Huckel rule states that
 a.) $4n$ electrons b.) pi electrons
 c.) $2n+2$ pi electron d.) $4n+2$ pi electron
14. Which mechanism an aromatic compounds react by
 (a) Addition Reaction (b) Substitution Reaction
 (c) Elimination reaction (d) None
15. Which of the following statements is incorrect: aromatic compounds
 (a) Are planer (b) have cyclic
 (c) 6 pi electron (d) 7-membered ring
16. Benzoic acid reacts with phenol to form
 a.) Acid b.) Base c.) Ester d.) Ether
17. Nitrating Mixture is
 a.) SO_4 b.) H_2CO_3
 c.) Con H_2SO_4 and Con HNO_3 d.) None of these
18. Kolbe Reaction is given by
 a.) Benzoic b.) Phenol
 c.) Chlorobenzoic acid d.) Dichlorobenzoic acid
19. Synthetic detergents represented by
 (a) RONa (b) ROSO_3Na (c) RCOONa (d) RCOOH
20. The degree of unsaturation of a fat can be determined by
 (a) Acid value (b) Iodine value
 (c) Saponification no. (d) R. M Value