

PARUL UNIVERSITY
FACULTY OF PHARMACY

B. Pharm. Summer 2018 - 19 Examination

Semester: 3

Subject Code: BP301T

Subject Name: Pharmaceutical Organic Chemistry II

Date: 22/04/2019

Time: 10:00am to 01:00pm

Total Marks: 75

Instructions:

1. Figures to the right indicate maximum marks.
2. Make suitable assumptions wherever necessary.

Q.1 Multiple Choice Questions (MCQs) (1 Mark Each)**(20)**

1. Huckel Rule is also known as

a) $(4n+2)\pi$ rule	b) $(4n+1)\pi$ rule
c) $(4n+2)\sigma$ rule	d) $(4n+1)\sigma$ rule
2. Choose the correct order related to acidic strength:

a) Phenol > Water > Ethyl alcohol	b) Ethyl alcohol > Water > Phenol
c) Ethyl alcohol > Phenol > Water	d) Water > Phenol > Ethyl alcohol
3. Which catalyst is used during the halogenations of benzene?

a) Lewis acid	b) Lewis base
c) Platinum	d) Ni/Pt
4. Hofmann's degradation reaction is used for the synthesis of

a) Secondary aromatic amines	b) Primary aromatic amines
c) Tertiary aromatic amines	d) None of the above
5. Which of the following is more basic than aniline?

a) Benzyl amine	b) p-nitroaniline
c) Triphenylamine	d) Diphenylamine
6. Libermann's nitroso reaction is used to identify

a) 1° amine	b) 2° amine
c) 3° amine	d) 4° amine
7. When $-\text{COOH}$ is attached directly to the benzene ring, the acid is called

a) Aliphatic	b) Alicyclic
c) Aromatic	d) Carbocyclic
8. Aromatic acids when react with ammonia, it forms

a) Hydrocarbon	b) Acid chloride
c) Amide	d) Ketone
9. Enzyme responsible for hydrolysis of fat is

a) Reductase	b) Aconitase
c) Lipase	d) Kinase
10. Which statement is correct relative to the electron releasing group on phenol?

a) Stabilize the phenoxide ion and increase the acidity	b) Destabilize the phenoxide ion and decrease the acidity
c) Destabilize the phenoxide ion and increase the acidity	d) Stabilize the phenoxide ion and decrease the acidity
11. Electrophilic attack on naphthalene occurs at

a) C ₁	b) C ₃
c) C ₂	d) C ₄
12. What happens when two molecules of benzyl chloride are condensed in presence of AlCl_3 ?

a) Naphthalene is formed	b) Phenanthrene is formed
c) Anthracene is formed	d) None of the above
13. All carbons atoms in anthracene are

a) sp hybridized	b) sp ² hybridized
c) sp ³ hybridized	d) None of the above

