

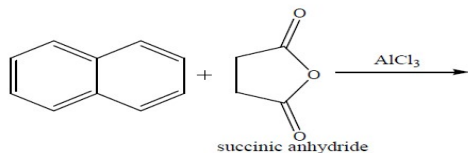
Goel Institute of Pharmacy and Sciences Lucknow (392)
 Third Sessional Examination 2021-22
 BP301T-Organic Chemistry-II
 MCQ (CO3-14 Marks and CO4-16 Marks)

Time: 1 Hrs.

M. Marks: 30

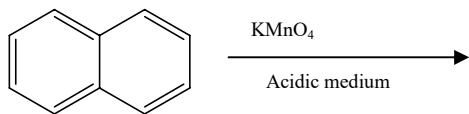
Note: Attempt all the question.

- On hydrolysis of triglyceride which of the following products are formed?
 - Glycerine
 - Glycerol and 3 molecules of fatty acids**
 - Glycerol and two molecules of fatty acids
 - Glyceraldehyde and three molecules of fats
- Which of the following is obtained after complete hydrogenation of Fatty acid?
 - Partially saturated fatty acid
 - Fully saturated fatty acid**
 - Completely unsaturated fatty acid
 - Completely saturated glycerol
- Mg of KOH required to neutralize free fatty acid from 1 gm of oil is known as
 - Acid value**
 - Saponification value
 - Acetyl value
 - Iodine number
- Iodination of fatty acids can be done by
 - Potassium iodide
 - Potassium hydroxide
 - IBr**
 - Potassium permagnet
- Chemically, fats and oils are
 - acids
 - alcohols
 - Esters**
 - alkenes
- Naphthalene on nitration results in to
 - 2- Nitro naphthalene
 - 1-Nitro naphthalene**
 - 4- Nito naphthalene
 - 3- Nitro naphthalene
- Starting material for synthesis of naphthalene by Howarth method is
 - Benzene**
 - Toluene
 - Aniline
 - Nitrobenzene
- Pthalic anhydride can be synthesize by using naphthalene and
 - Vanadium pentaoxide and air at 475°C**
 - KMnO₄
 - NaOH
 - KOH
- Which starting materials are used in Elbe's reaction?
 - O-methyl acetophenone
 - P-methyl acetophenone
 - O-methyl benzophenone**
 - P-methyl benzophenone
- Identify the product for the following reaction

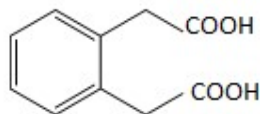


- Benzene
 - Naphthalene
 - Anthracene
 - Phenanthrene**
- Which of the following reducing agent yields 1,4-dialine from naphthalene?
 - Sodium and ethanol**
 - Sodium and isopropanol
 - Sodium and isopentanol
 - Hydrogen and Platinum
 - Melting point of fat is _____ and melting point of oil is _____
 - Higher, higher
 - Lower, lower
 - Higher, lower**
 - Lower, higher
 - Select the incorrect statement from the following option.
 - Oils are saturated triglyceride**
 - Oils have lower melting points
 - Oils are liquid at room temperature
 - Examples of oils are glyceryl trioleate, coconut oil, olive oil, etc
 - Which of the following is not a suitable solvent for oils and fats?
 - Benzene
 - CCl₄
 - CHCl₃
 - Water**
 - Vegetable ghee is manufactured by _____
 - Saponification
 - Hydrogenation**
 - Oxidation polymerization
 - Reduction polymerization
 - Iodine number is
 - Measure of number of -OH group in fat
 - Measure of volatile fatty acid in fat
 - Degree of unsaturation in fat**
 - Degree of rancidity
 - Saponification is hydrolysis
 - by alkali**
 - by acid
 - by digestive enzymes
 - by salts
 - Which of the following is catalyst in digestive tracts of human being?
 - Lipases**
 - Lewis acid
 - Lewis base
 - Hydrogen peroxide
 - In Hydrogenation of oil which catalyst is used
 - Pb
 - Ni**
 - Sn
 - H₂O₂
 - How many fatty acid molecules are present in fat?
 - 1
 - 2
 - 3**
 - 4
 - Naphthalene is made from
 - Coal tar**
 - Sulfuric acid
 - Glue
 - Glass

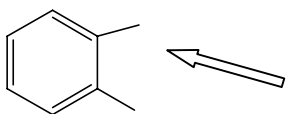
22. Which is the most probable main product of the following reaction?



a)



b)



c)

d) None

23. Which one is example of isolated polynuclear hydrocarbon?

- a) Naphthalene
- b) Diphenylmethane**
- c) Dimethylethane
- d) None

24. Molecular formula of phenanthrene

- a) C_{14}H_8
- b) $\text{C}_{14}\text{H}_{10}$**
- c) $\text{C}_{14}\text{H}_{12}$
- d) C_{14}H_9

25. On nitration of phenanthrene which of the following is the product

- a) 9-nitrophenanthrene**
- b) 10-nitrophenanthrene
- c) 4-nitrophenanthrene
- d) 8-nitrophenanthrene

26. Oxidation of anthracene in presence of light to yield

- a) anthracene oxide
- b) anthracene dioxide
- c) anthracene peroxide**
- d) 9,10-anthraquinone

27. Which of the following are anthracene derivatives?

- a) Anthraquinone
- b) Alizarin
- c) Both**
- d) None

28. Phenanthrene on oxidation in presence of potassium dichromate gives

- a) phenanthrone
- b) diphenic acid**
- c) anthrone
- d) None

29. Phenanthrene ring is present in

- a) bile acids
- b) hormones
- c) cholesterol
- d) All**

30. Which of the following have Fluorescent Property?

- a) Dimethylethane
- b) phenanthrene**
- c) Triphenylethane
- d) None