## RAMAKRISHNA MISSION VIDYAMANDIRA

(Residential Autonomous College affiliated to University of Calcutta)

## B.A./B.Sc. SIXTH SEMESTER EXAMINATION, MAY 2016 THIRD YEAR [BATCH 2013-16] INDUSTRIAL CHEMISTRY (Honours)

Date : 07/05/2016 Time : 11 am - 1 pm

Paper: VII [Unit – II&III]

Full Marks: 50

## Unit - II

<u>ix</u> questions :	$[6\times5]$
are the petrochemicals produced from Ethylene. Show the products with the help of flow	[2.5]
the manufacturing process of Alkyl Benzene sulfonate from kerosene distillate. State its	[2·5]
he reforming process for the production of BTX with respect to naterial used on involved ss flow diagram	[5]
escribe the manufacturing process of Acrylonitrile from propylene.	[5]
is oxo-synthesis? the reactions involved for the production of butanol using oxo-synthesis. the necessary flow diagram for the production of butanol via oxo-synthesis.	[5]
the reactions for the production of vinyl chloride from Ethyl chloride and uses of vinyl	[2·5]
the manufacturing process of styrene in detail.	[5]
he current scenario of the petrochemical industry in India and its future prospects.	[5]
<u>Unit - III</u>	
<u>Cour</u> questions:	[4×5]
is antibiotic? How it works? the manufacturing process of Ampicilline.	[2] [3]
in the terms: Antipyretic and Analgesic with examples. ss the manufacturing process of paracetamol.	[2]
is Broad-spectrum antibiotics? the trade names of the following basic drugs widely used in the market nti-malarials drug nti-ambeobies drug aracetamol ulpha drug nalgesic drug	[2] [3]
aracetamol ulpha drug	

- 12. Briefly describe the process with chemical reactions ( $\underline{\mathbf{any two}}$ ): [2×2·5]
  - a) Sulphacetamide starting from Acetanilide
  - b) Plasmaquine
  - c) Phenobarbital
- 13. a) What are Essential oils? Give two examples of essential oils. Name the methods of extraction of essential oils. [3]

b) Define the terms Perfume and Fragrance. What are the constituents of perfumes. Give examples of each category. [2]

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