

Semester-V, B.Sc. (Industrial Chemistry) Examination

March - 2015
Paper- IC-502: Petroleum Industry
Subject Code: 4301

Time: 2.30 Hours

Total Marks: 70

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| Q-1 | (A) | Discuss about the production of methanol. | 10 |
| | (B) | Give an industrial application of methanol. | 04 |
| OR | | | |
| Q-1 | (A) | What is petroleum and petrochemicals? Explain it in detail. | 10 |
| | (B) | State industrial application of formaldehyde. | 04 |
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| Q-2 | (A) | Describe the production of acetylene. | 10 |
| | (B) | What is an oil? How is petroleum formed? | 04 |
| OR | | | |
| Q-2 | (A) | Discuss industrial production of ethylene with flow sheet diagram. | 10 |
| | (B) | Give an industrial application of ethylene. | 04 |
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| Q-3 | (A) | How industrially acetone is obtained? | 10 |
| | (B) | Why is oil refining necessary? | 04 |
| OR | | | |
| Q-3 | (A) | How polypropylene is manufactured in petrochemical industries. | 10 |
| | (B) | Give chemical reactions of isoprene. | 04 |
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| Q-4 | (A) | Describe the separation technique of crude petroleum. | 10 |
| | (B) | Discuss the C ₁ Chemicals in detail. | 04 |
| OR | | | |
| Q-4 | (A) | Give industrial production of toluene with flow sheet diagram. | 10 |
| | (B) | State chemicals obtain from C ₂ cuts. | 04 |
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| Q-5 | (A) | Discuss industrial production of vinyl chloride. | 10 |
| | (B) | Give an utilisation of acetylene to mankind. | 04 |
| OR | | | |
| Q-5 | (A) | Draw a flow sheet diagram of ethanol amine manufacturing. | 10 |
| | (B) | Discuss historical development of petroleum industries. | 04 |