

Semester-V, B.Sc. (Industrial Chemistry) Examination
November - 2014
Paper- IC-502: Petroleum Industry
Subject Code: 4301

Time: 2.30 Hours

Total Marks: 70

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| Que.1 | (A) How crude petroleum is separated? Explain with neat sketch. | 10 |
| | (B) Give properties of petrol and diesel. | 04 |
| OR | | |
| Que.1 | (A) Write a note on phenol manufacturing. | 10 |
| | (B) Write a note on C ₁ Chemicals. | 04 |
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| Que.2 | (A) Give industrial production of Phthalic anhydride. | 10 |
| | (B) Give an application of phthalic anhydride. | 04 |
| OR | | |
| Que.2 | (A) Discuss industrial production of perchloroethylene with flow sheet diagram. | 10 |
| | (B) Discuss historical development of petroleum industries. | 04 |
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| Que.3 | (A) Discuss industrial production of isoprene with flow sheet diagram. | 10 |
| | (B) Give an application of isoprene. | 04 |
| OR | | |
| Que.3 | (A) How industrially acrylonitrile is manufactured? | 10 |
| | (B) Give an utilisation of acetylene to mankind. | 04 |
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| Que.4 | (A) Give industrial production of IPA. | 10 |
| | (B) Which chemicals are obtained from C ₄ Cut? | 04 |
| OR | | |
| Que.4 | (A) How methanol is manufactured in petrochemical industries? | 10 |
| | (B) Discuss the C ₃ Chemicals in detail. | 04 |
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| Que.5 | (A) Write a note on ethylene manufacturing. | 10 |
| | (B) Give an industrial application of maleic acid. | 04 |
| OR | | |
| Que.5 | (A) With flow sheet diagram explain ethylene dichloride manufacturing. | 10 |
| | (B) List out methods which are applied for searching oil. | 04 |