

Chemistry

| Unit | Q.No V.I | Imp | P.No (Book) |
|------|----------------------------------|--------------------------------------|----------------|
| 1 | 1, 2, 5, 6, 4, 15 | 8, 9, 11, 12 | 2, 4 |
| 2 | 6 to 10, 13, 14, 15 | 3, 16, 17, 18 | 54, 55 |
| 3 | 1, 5, 6, 7, 10, 11, 12, 15 | 4, 14, 22, 23 | 98-99 |
| 4 | 1, 3, 6, 9 to 14, 15 | 21, 22 27 | 128, 129 |
| 5 | 1, 14, 13, 20, 24 | 1, 2, 3 5, 12 16, 17 18, 19 | 171-172 |
| 6 | 1-4, 8, 9, 11, 13 to 16 24 | | 200 |
| 7 | 1 to 5 13, 14, 16, 17 | 21, 22 | 230 |
| 8 | 1 to 3 8 to 14 | | 31 |
| 9 | 1, 2, 21 to 24 | 8, 12 15 | |

- 11 11, 12, 23
- 12 15, 7, 8, 10, 10, 234, 235
- 13 6, 7, 10 to 14
- 14 5 to 13, 15, 19, 4, 2, 3, 270
- 15 15, 17, 14, 6, 13, 16, 296

Inside Question

Unit-1

1. Froth Flotation (Pg no: 4)
2. Magnetic Separation? (Pg no: 6)
3. Mond process? (Pg no: 16)
4. Van-Arkel Method Zr/Ti? (Pg no: 17)
5. Applications of Metals? (Pg no: 17)

Unit: 2

1. Alums and uses? (Pg no: 40)
2. Preparation of Silicones? (Pg no: 46)
3. Preparation CO and uses? (Pg no: 43)
4. Structure of Boric acid uses? (Pg no: 35)
5. Preparation of Phosphine (PH_3) and uses? (Pg no: 68)

Unit-5

1. Stability constant (Pg no: 163)
2. (Pg no: 148) table (1/2 Marks)
3. (Pg no: 149 to 151) (Any One Model)
4. Application of Coordination complexes? (Pg no: 166)

Unit-6

1. SC, BCC, FCC Structure? (Pg no: 183 to 184)
2. Packing Efficiency or Fraction? (Pg no: 187)
3. Packing Efficiency of SC, BCC, FCC? (5 Marks)

Unit-7

1. Difference between Rate of Reaction and Rate Constant of Reaction? (Pg no: 210)
2. Order of Reaction, Molecularity of Reaction? (Pg no: 210)

Unit-8

1. Limitations of Arrhenius concept? (Pg no: 3)
2. Difference between Lewis acids and Lewis Bases? (Pg no: 5)
3. Define pH and Relation between pH and pOH (Pg no: 9)
4. Ostwald's dilution law? (Pg no: 12, 13) (6m)
5. Common ion effect? (Pg no: 15)
6. Buffer Capacity? (Pg no: 18)

Unit-9

1. Resistivity, Conductivity, Molar Conductivity, Equivalent Conductance? (Pg no: 35 to 37)
2. Debye-Huckel and Onsager eq? (Pg no: 41)
3. Kohlrausch's law and Applications of Kohlrausch's law (Pg no: 41 to 42)
4. SHE (Pg no: 48)
5. Nernst Equation? (Pg no: 51)
6. Faradays First law and Second law (Pg no: 54)

Unit - 10

1. Adsorption Isotherms, Isobars? (Pg no: 73)
2. Characteristics of catalysts? (Pg no: 78)
3. Intermediate compound? (Pg no: 80)
4. Adsorption theory? (Pg no: 81)
5. Nano catalysis? (Pg no: 86)
6. Tyndall effect? (Pg no: 93)
7. Brownian Motion? (Pg no: 94)

Unit - (11)

- ⊗ 1. Lucas Test? (Pg no: 110)
- ⊗ 2. Saponification (or) Preparation of Glycerol? (Pg no: 117)
- ⊗ 3. Victor Meyer's test? (Pg no: 111 - 112)
- ⊗ 4. Preparation of Glycerol? (Pg no: 110)
- ⊗ 5. Saytzeff's Rule? (Pg no: 116)
- ⊗ 6. Swern Oxidation? (Pg no: 117)
- ⊗ 7. Dehydration reaction? (Pg no: 119)
- ⊗ 8. Oxidation of Glycerol? (Pg no: 121 - 122)

- 9 Preparation of Phenol? (Pg no: 126-127)
- 10 Schotten-Baumann reaction? (Pg no: 127)
- 11 Nitration, Sulphonation, Halogenation? (Pg no: 127)
- 12 Kolbe's reaction - Reimer-Tiemann reaction? (Pg no: 129-130)
- 13. Uses of Ether? (Pg no: 138-139)

Unit-12

- 1 Ozonolysis of Alkenes? (Pg no: 149)
- 2 Rosemund Reduction? (Pg no: 151)
- 3 Stephen's reaction? (Pg no: 151)
- 4 Preparation of Benzaldehyde? Or
Hofmann Reaction? (Pg no: 151)
- 5 Gattermann-Koch Reaction? (Pg no: 152)
- 6. Urotropine? Preparation, Structure, Uses? (Pg no: 158)
- 7. Clemmensen Reduction? (Pg no: 160)
- 8. Wolf Kishner Reduction? (Pg no: 161)
- 9 Aldol Condensation? (Pg no: 161-162)

10. Claisen - Schmidt ? (Pg no: 163)

11. Cannizzaro Reaction ? (Pg no: 163, 164)

12. Benzoin, Perkin's, Knoevenagel Reaction ?
(Pg no: 164, 165)

13. HVZ (Pg no: 183)

14. Esterification ? (Pg no: 173, 174)

15. Test for Carboxylic acid ? (Pg no: 177)

Unit - 13

1. Book back Q. No: 6, 7

2. Thorpe ~~from~~ Nitroyl ? (Pg no: 235)

3. Nitro Form, Aldehyde form ? (Pg no: 199)

4. Electrolytic Reduction ? (Pg no: 204)

5. Reduction of Catalytic and Metal
Hydride ? (Pg no: 204)

6. Electrophilic Substitution Reaction ?
(Pg no: 204)

7. Sandmeyer Reaction, Gattermann
Reaction ? (Pg no: 220)

8. Hamberg Reaction ? (Pgno: 221)

Unit-14

1. Aldoses, Ketoses ? (Pgno. 240)
2. Glucose, Fructose ? Preparation of and Structure ? (Pg: 244)
3. Peptide bond ? (Pgno: 252)
4. Classification of Vitamins ? (Pgno 258)
5. DNA, RNA differences (Pgno 264)
6. RNA (types) ? (Pg no: 276)
7. Hormones ? (Pgno: 266)

Unit-15

1. LDPE, HDPE (Pg no: 288)
2. Preparation of Teflon (Pgno: 288)
3. PAN (Pgno: 288)
4. Nylon 6,6, Nylon-6 (Pgno: 289)
5. Dacron (Pgno: 306)
6. Preparation of Bakelite ? (Pgno: 290)
7. Preparation of Neoprene, Buna-N, S, Nylon-2-Nylon 6 (Pgno: 292-294)

உழைத்துப் பெறு!

முயற்சித்துப் பெறு!

குறிக்க நேரத்தில் பெறு!



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- ▶ கல்லூரி மாணவர்களுக்கு Engineering (Maths), BCA & CS, B.Com (Commerce & Accountancy) வகுப்புகள் எடுக்கப்படும்.
- ▶ NEET Exam பயிற்சி அளிக்கப்படும்.
- ▶ Computer வகுப்புகளுக்கு பயிற்சி அளிக்கப்படும்.
- ▶ ஆங்கிலம் (Spoken English) எளிமையாக பேச பயிற்சி அளிக்கப்படும்.
- ▶ Aerobic Dance பயிற்சி மற்றும் கர்நாடக சங்கீத பயிற்சி அளிக்கப்படும்.



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