

BHARATHI STUDY CENTRE
MADURAI/TRICHY
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TRB PG 2012 ANSWER KEYS

SUBJECT: CHEMISTRY SERIES: C

for other series see last column for detailed answer

| QUES.NO. | ANS | UNIT. | (our study material)page | detailed ans for other |
|----------|-----|-------|--------------------------|-------------------------|
| 1 | C | 1 | | Hg |
| 2 | C | 2 | 2 | ionisation |
| 3 | D | 2 | 15 | DMG |
| 4 | D | 7 | 3 | 5.92 |
| 5 | B | 2 | 23 | 3 |
| 6 | A | 2 | 42 | R |
| 7 | D | 2 | 52 | Z |
| 8 | C | 2 | 29 | sec butyl chloride |
| 9 | B | 3 | II ND REV. QN | trans |
| 10 | B | 2 | 74 | gauche |
| 11 | D | 3 | PART 9. PAGE 3 | guanine |
| 12 | B | 3 | PART V PAGE 12 | quinoline |
| 13 | C | 3 | PART VIII PAGE 3 | violet |
| 14 | B | 4 | 4 | photoelectric effe |
| 15 | A | 4 | 42 | 3 |
| 16 | A | 4 | CLASS NOTES | F2 |
| 17 | B | | | 6 |
| 18 | B | 4 | 6 | paschen |
| 19 | D | 4 | MODEL TEST QN.NO.12 | $\hat{e}ikx$ |
| 20 | B | 4 | 33 | $(n+1/2)h\nu$ |
| 21 | C | | BT QN BANK | $\wedge M-1s-1$ |
| 22 | D | 9 | 9 | OH- |
| 23 | B | | QUESTION BANK | $C_6H_5NH_3^+$ |
| 24 | A | | QUESTION BANK | |
| 25 | C | 9 | 10 | MICHALEIS MENTEN |
| 26 | B | 9 | 31 | $Zn/Zn^{2+}/Cu^{2+}/Cu$ |
| 27 | B | 9 | 35 | BUTLERVOLMER |
| 28 | C | 9 | 30 | E_o is +ve |

| | | | | |
|----|---|----|-------------------------|-----------------------|
| 29 | C | 9 | 36 | DME |
| 30 | C | 10 | 22 | C6H5CH2COOH |
| 31 | B | 4 | CLASS NOTES | 3 |
| 32 | A | 4 | CLASS NOTES | SP3 |
| 33 | B | 4 | 31 | 3 |
| 34 | C | 10 | 6 | 6 |
| 35 | C | | BT QN BANK | DE=/0and Dm=/0 |
| 36 | C | 5 | 4 | partial molar volume |
| 37 | B | 5 | REV.TEST 2 QN NO.66 | photon |
| 38 | B | 5 | 5 | fugacity |
| 39 | B | 7 | 23 | 45 |
| 40 | D | 5 | 29 | H2O |
| 41 | B | 1 | 7 | flourine |
| 42 | B | 1 | 5 | Si |
| 43 | C | | MODEL EXAM 1 QN. NO.77 | Aceto nitrile |
| 44 | C | 1 | 4 | H2 |
| 45 | B | 1 | 57 | AgCl |
| 46 | B | 1 | 12 STD STATE BOARD TEXT | 6.1 |
| 47 | A | 1 | 67 | CoFe2O4 |
| 48 | C | 1 | 17 | SP3d2 |
| 49 | C | 1 | 54 | 8 |
| 50 | C | 1 | 62 | gallium |
| 51 | B | 6 | 24 | hydroformylation |
| 52 | B | | BT QN BANK | (Cr(CO)6)+ |
| 53 | B | 6 | 25 | Isotactic |
| 54 | B | | | reductive elimina |
| 55 | B | | | photoanation |
| 56 | B | | | phosphorescence |
| 57 | A | 7 | 22 | 5Do |
| 58 | D | | | (Ti(CO)6)2+ |
| 59 | D | 7 | 31 | (Ru(bpy)3)2+ |
| 60 | D | 7 | 29 | d5(HS) |
| 61 | B | 3 | PART V. PAGE 5 | 2 |
| 62 | A | 8 | 8 | toluene |
| 63 | * | | | |
| 64 | C | 3 | PART 3. PAGE 10 | C6H5CH=CHC6H5(CIS) |
| 65 | D | 8 | 47 | photosubtitution |
| 66 | C | | BT QN BANK | butanone+acetaldehyde |
| 67 | B | 8 | 42 | favourski rearrge |
| 68 | C | 8 | 60 | |

| | | | | |
|-----|---|----|--------------------|---------------------------------------|
| 69 | D | 9 | 21 | 3.2*10-11 |
| 70 | D | 9 | 6 | hammet egtn |
| 71 | A | 7 | 13 | singlet |
| 72 | C | 10 | 22 | Antistokes |
| 73 | * | | | |
| 74 | D | 10 | 20 | PES |
| 75 | C | 10 | 54 | RADIOWAVE |
| 76 | C | 10 | 27 | syndiotactic poly |
| 77 | D | 10 | 42 | silicone |
| 78 | C | 10 | 29 | polystyrene |
| 79 | C | 10 | 44 | B3N3H6 |
| 80 | B | 10 | 35 | PHENOL RESI |
| 81 | C | 2 | 23 | Ni ²⁺ |
| 82 | B | 2 | 49 | -130 |
| 83 | B | | BT QN BANK | 1,4-dibromo-2butne |
| 84 | D | | BT QN BANK | 1-bromopentane |
| 85 | C | 3 | 3 | recimisation |
| 86 | D | 3 | PART 2. PAGE.11 | 3>2>4>1 |
| 87 | A | 3 | PART IV. LAST PAGE | 1-pentene |
| 88 | A | 3 | PART III , PAGE 5 | 3-methy-1 butanol |
| 89 | C | 3 | PART V PAGE .1 | morphine |
| 90 | B | 3 | PART VI PAGE.3 | starch |
| 91 | D | 10 | REV.QN | 7 |
| 92 | B | 7 | 13 | 4 |
| 93 | C | 7 | 9 | pot.ferro cyanide |
| 94 | C | 10 | 19 | (Fe(CN) ₆) ₄ - |
| 95 | B | 7 | PART.1 PAGE.14 | Cu ⁺ |
| 96 | D | 7 | PART II. PAGE.4 | 2 |
| 97 | B | | MODEL QN. NO.87 | EPR |
| 98 | A | 8 | IA, 2 | (8) ANNULENE |
| 99 | D | 8 | 17 | isopropylbenzene |
| 100 | D | 8 | 13 | SO ₃ |
| 101 | A | 5 | 22 | 5 |
| 102 | B | 5 | 24 | Rf |
| 103 | D | 5 | 34 | ny=2dsin0 |
| 104 | B | | | alumina |
| 105 | A | 5 | 31 | positive |
| 106 | C | 6 | 17 | kalpakkam |
| 107 | D | 6 | 11 | 8and6 |
| 108 | C | 6 | 13 | 8 |

| | | | | |
|-----|---|---|---|---------------------|
| 109 | C | 7 | | tracer technique |
| 110 | B | 6 | 3 | 931.5 |
| 111 | C | | | 46 chromosome |
| 112 | B | | | rote memory |
| 113 | D | | | all of them |
| 114 | D | | | hull |
| 115 | B | | | 1949 |
| 116 | D | | | navodhaya |
| 117 | * | | | |
| 118 | D | | | all of them |
| 119 | C | | | 1986 |
| 120 | B | | | village level |
| 121 | A | | | postal |
| 122 | C | | | froebel |
| 123 | B | | | 1969 |
| 124 | A | | | McDonald |
| 125 | C | | | tagore |
| 126 | D | | | none of these |
| 127 | A | | | nilgiris |
| 128 | B | | | usa |
| 129 | A | | | Jun-12 |
| 130 | A | | | school |
| 131 | A | | | negative education |
| 132 | A | | | russel |
| 133 | C | | | women |
| 134 | A | | | west bengal |
| 135 | A | | | krishnamoorthy |
| 136 | C | | | masons disk |
| 137 | A | | | single factor |
| 138 | C | | | freud |
| 139 | A | | | 8 types |
| 140 | * | | | |
| 141 | C | | | korkai |
| 142 | B | | | rabindranath tagore |
| 143 | C | | | priyadharshi |
| 144 | A | | | kharaj |
| 145 | D | | | freon12 |
| 146 | A | | | ban ki moon |
| 147 | B | | | 26th january1950 |
| 148 | D | | | 12 |

| | | | | |
|---|---|--|--|------------------|
| 149 | D | | | 1975 |
| 150 | A | | | natinl bank agri |
| | | | | |
| For any clarification about the key please contact : 9894274672 and 9786431578 | | | | |
| | | | | |
| QUESTION ANALYSIS; | | | | |

This year question is easier than the previous questions. Questions are not high standard. Most of the areas have been covered but questions are not deep. A few questions were asked from UG syllabus related to the PG syllabus.

Note: for more than 90% of the questions, the answers available in our study materials. Those who have attended all the classes without fail and did all the tests well will get post cut off marks: anything above 110 mark will be safe (plus or minus 5 questions)