

JOINT CSIR-UGC-JRF/NET DECEMBER 2015 FINAL ANSWER KEY BOOKLET A
 CHEMICAL SCIENCE ENGLISH AND BILINGUAL

| Q. No. | Key | Q. No. | Key | Q. No. | Key | Q. No. | Key |
|--------|---------------|--------|-----|--------|-----|--------|-----|
| 1 | 4 | 41 | 1 | 81 | 4 | 121 | 4 |
| 2 | 1 | 42 | 3 | 82 | 3 | 122 | 2 |
| 3 | 1 | 43 | 3 | 83 | 1 | 123 | 3 |
| 4 | 2 | 44 | 1 | 84 | 1 | 124 | 1 |
| 5 | 3 | 45 | 1 | 85 | 1 | 125 | 3 |
| 6 | 4 | 46 | 2 | 86 | 1 | 126 | 1 |
| 7 | 3 or 4 | 47 | 1 | 87 | 1 | 127 | 1 |
| 8 | 2 | 48 | 4 | 88 | 4 | 128 | 4 |
| 9 | 4 | 49 | 2 | 89 | 3 | 129 | 2 |
| 10 | 3 | 50 | 4 | 90 | 1 | 130 | 3 |
| 11 | 3 | 51 | 1 | 91 | 2 | 131 | 1 |
| 12 | 2 | 52 | 3 | 92 | 1 | 132 | 4 |
| 13 | 2 | 53 | 3 | 93 | 1 | 133 | 2 |
| 14 | 1 | 54 | 4 | 94 | 1 | 134 | 2 |
| 15 | 3 | 55 | 2 | 95 | 2 | 135 | 4 |
| 16 | 4 | 56 | 2 | 96 | 3 | 136 | 4 |
| 17 | 2 | 57 | 2 | 97 | 2 | 137 | 2 |
| 18 | 2 | 58 | 1 | 98 | 2 | 138 | 1 |
| 19 | 4 | 59 | 2 | 99 | 3 | 139 | 2 |
| 20 | 1 | 60 | 4 | 100 | 4 | 140 | 4 |
| 21 | 1 | 61 | 1 | 101 | 2 | 141 | 3 |
| 22 | 2 | 62 | 4 | 102 | 4 | 142 | 1 |
| 23 | 1 | 63 | 3 | 103 | 1 | 143 | 4 |
| 24 | 3 | 64 | 4 | 104 | 1 | 144 | * |
| 25 | 4 | 65 | 2 | 105 | 4 | 145 | 2 |
| 26 | 1 | 66 | 3 | 106 | 4 | | |
| 27 | 2 | 67 | 1 | 107 | 2 | | |
| 28 | 1 | 68 | 3 | 108 | 2 | | |
| 29 | 3 | 69 | 1 | 109 | 3 | | |
| 30 | 4 | 70 | 2 | 110 | 3 | | |
| 31 | 1 | 71 | 4 | 111 | 4 | | |
| 32 | 1 | 72 | 1 | 112 | 3 | | |
| 33 | 2 | 73 | 1 | 113 | 1 | | |
| 34 | 2 | 74 | 2 | 114 | 4 | | |
| 35 | 1 | 75 | 3 | 115 | 2 | | |
| 36 | 1 | 76 | 3 | 116 | 3 | | |
| 37 | 4 | 77 | 3 | 117 | 3 | | |
| 38 | 4 | 78 | 3 | 118 | 2 | | |
| 39 | 3 | 79 | 2 | 119 | 3 | | |
| 40 | 2 | 80 | 2 | 120 | 3 | | |

change in key indicated in bold

*benefit of marks to those who attempted

JOINT CSIR-UGC-JRF/NET DECEMBER 2015 FINAL ANSWER KEY BOOKLET B
 CHEMICAL SCIENCE

ENGLISH AND BILINGUAL

| Q. No. | Key | Q. No. | Key | Q. No. | Key | Q. No. | Key |
|--------|---------------|--------|-----|--------|-----|--------|-----|
| 1 | 2 | 41 | 3 | 81 | 1 | 121 | 1 |
| 2 | 3 | 42 | 4 | 82 | 1 | 122 | 1 |
| 3 | 4 | 43 | 1 | 83 | 1 | 123 | 3 |
| 4 | 3 or 4 | 44 | 1 | 84 | 3 | 124 | 4 |
| 5 | 2 | 45 | 3 | 85 | 4 | 125 | 1 |
| 6 | 3 | 46 | 1 | 86 | 1 | 126 | 2 |
| 7 | 2 | 47 | 3 | 87 | 1 | 127 | 1 |
| 8 | 1 | 48 | 2 | 88 | 1 | 128 | 4 |
| 9 | 3 | 49 | 1 | 89 | 1 | 129 | 4 |
| 10 | 2 | 50 | 4 | 90 | 3 | 130 | * |
| 11 | 1 | 51 | 4 | 91 | 2 | 131 | 2 |
| 12 | 4 | 52 | 4 | 92 | 4 | 132 | 2 |
| 13 | 2 | 53 | 2 | 93 | 3 | 133 | 4 |
| 14 | 1 | 54 | 3 | 94 | 2 | 134 | 4 |
| 15 | 4 | 55 | 1 | 95 | 4 | 135 | 1 |
| 16 | 1 | 56 | 4 | 96 | 1 | 136 | 3 |
| 17 | 3 | 57 | 3 | 97 | 3 | 137 | 2 |
| 18 | 2 | 58 | 1 | 98 | 3 | 138 | 3 |
| 19 | 4 | 59 | 4 | 99 | 2 | 139 | 2 |
| 20 | 4 | 60 | 2 | 100 | 3 | 140 | 3 |
| 21 | 3 | 61 | 2 | 101 | 2 | 141 | 2 |
| 22 | 1 | 62 | 4 | 102 | 3 | 142 | 1 |
| 23 | 1 | 63 | 2 | 103 | 3 | 143 | 4 |
| 24 | 1 | 64 | 1 | 104 | 3 | 144 | 2 |
| 25 | 2 | 65 | 2 | 105 | 1 | 145 | 4 |
| 26 | 4 | 66 | 4 | 106 | 4 | | |
| 27 | 1 | 67 | 3 | 107 | 3 | | |
| 28 | 2 | 68 | 3 | 108 | 1 | | |
| 29 | 1 | 69 | 2 | 109 | 2 | | |
| 30 | 2 | 70 | 1 | 110 | 2 | | |
| 31 | 3 | 71 | 2 | 111 | 3 | | |
| 32 | 1 | 72 | 1 | 112 | 2 | | |
| 33 | 4 | 73 | 3 | 113 | 4 | | |
| 34 | 1 | 74 | 1 | 114 | 4 | | |
| 35 | 1 | 75 | 1 | 115 | 4 | | |
| 36 | 2 | 76 | 1 | 116 | 4 | | |
| 37 | 2 | 77 | 3 | 117 | 2 | | |
| 38 | 2 | 78 | 2 | 118 | 2 | | |
| 39 | 1 | 79 | 2 | 119 | 3 | | |
| 40 | 3 | 80 | 3 | 120 | 4 | | |

change in key indicated in bold

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JOINT CSIR-UGC-JRF/NET DECEMBER 2015 FINAL ANSWER KEY BOOKLET C
 CHEMICAL SCIENCE

ENGLISH AND BILINGUAL

| Q. No. | Key | Q. No. | Key | Q. No. | Key | Q. No. | Key |
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| 4 | 4 | 44 | 4 | 84 | 2 | 124 | 2 |
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| 8 | 3 | 48 | 1 | 88 | 1 | 128 | 4 |
| 9 | 1 | 49 | 2 | 89 | 3 | 129 | 3 |
| 10 | 4 | 50 | 1 | 90 | 2 | 130 | 1 |
| 11 | 3 | 51 | 4 | 91 | 3 | 131 | 3 |
| 12 | 4 | 52 | 1 | 92 | 4 | 132 | 4 |
| 13 | 4 | 53 | 4 | 93 | 4 | 133 | 2 |
| 14 | 2 | 54 | 4 | 94 | 2 | 134 | 1 |
| 15 | 3 | 55 | 2 | 95 | 3 | 135 | 3 |
| 16 | 2 | 56 | 2 | 96 | 4 | 136 | 1 |
| 17 | 2 | 57 | 3 | 97 | 2 | 137 | * |
| 18 | 4 | 58 | 1 | 98 | 3 | 138 | 1 |
| 19 | 2 | 59 | 2 | 99 | 4 | 139 | 1 |
| 20 | 3 | 60 | 3 | 100 | 1 | 140 | 2 |
| 21 | 1 | 61 | 1 | 101 | 2 | 141 | 4 |
| 22 | 1 | 62 | 1 | 102 | 1 | 142 | 2 |
| 23 | 1 | 63 | 4 | 103 | 2 | 143 | 3 |
| 24 | 4 | 64 | 3 | 104 | 2 | 144 | 1 |
| 25 | 3 | 65 | 3 | 105 | 4 | 145 | 2 |
| 26 | 1 | 66 | 2 | 106 | 3 | | |
| 27 | 1 | 67 | 2 | 107 | 3 | | |
| 28 | 2 | 68 | 4 | 108 | 3 | | |
| 29 | 3 | 69 | 2 | 109 | 3 | | |
| 30 | 2 | 70 | 1 | 110 | 3 | | |
| 31 | 2 | 71 | 1 | 111 | 2 | | |
| 32 | 2 | 72 | 1 | 112 | 2 | | |
| 33 | 4 | 73 | 3 | 113 | 2 | | |
| 34 | 1 | 74 | 3 | 114 | 3 | | |
| 35 | 1 | 75 | 1 | 115 | 4 | | |
| 36 | 1 | 76 | 1 | 116 | 3 | | |
| 37 | 3 | 77 | 1 | 117 | 1 | | |
| 38 | 2 | 78 | 1 | 118 | 4 | | |
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