



## Engineering Sciences (XE) Master Answer Key

| Q. No. | Session | Question Type | Section | Key/Range    | Mark |
|--------|---------|---------------|---------|--------------|------|
| 1      | 6       | MCQ           | GA      | C            | 1    |
| 2      | 6       | MCQ           | GA      | A            | 1    |
| 3      | 6       | MCQ           | GA      | A            | 1    |
| 4      | 6       | MCQ           | GA      | C            | 1    |
| 5      | 6       | MCQ           | GA      | B            | 1    |
| 6      | 6       | MCQ           | GA      | C            | 2    |
| 7      | 6       | MCQ           | GA      | C            | 2    |
| 8      | 6       | MCQ           | GA      | D            | 2    |
| 9      | 6       | MCQ           | GA      | A            | 2    |
| 10     | 6       | MCQ           | GA      | A            | 2    |
| 11     | 6       | MCQ           | XE-A    | C            | 1    |
| 12     | 6       | MCQ           | XE-A    | D            | 1    |
| 13     | 6       | MCQ           | XE-A    | A            | 1    |
| 14     | 6       | MCQ           | XE-A    | B            | 1    |
| 15     | 6       | NAT           | XE-A    | 12 to 12     | 1    |
| 16     | 6       | NAT           | XE-A    | 2 to 2       | 1    |
| 17     | 6       | NAT           | XE-A    | 0.42 to 0.55 | 1    |
| 18     | 6       | MCQ           | XE-A    | A            | 2    |
| 19     | 6       | MSQ           | XE-A    | B; C; D      | 2    |
| 20     | 6       | NAT           | XE-A    | 3 to 3       | 2    |
| 21     | 6       | NAT           | XE-A    | 2 to 2       | 2    |
| 22     | 6       | MCQ           | XE-B    | B            | 1    |
| 23     | 6       | MCQ           | XE-B    | B            | 1    |
| 24     | 6       | MCQ           | XE-B    | C            | 1    |
| 25     | 6       | MCQ           | XE-B    | C            | 1    |
| 26     | 6       | MCQ           | XE-B    | A            | 1    |
| 27     | 6       | MCQ           | XE-B    | C            | 1    |
| 28     | 6       | MCQ           | XE-B    | D            | 1    |
| 29     | 6       | MCQ           | XE-B    | D            | 1    |
| 30     | 6       | NAT           | XE-B    | 300 to 300   | 1    |
| 31     | 6       | MCQ           | XE-B    | A            | 2    |
| 32     | 6       | MCQ           | XE-B    | D            | 2    |

|    |   |     |      |                  |   |
|----|---|-----|------|------------------|---|
| 33 | 6 | MCQ | XE-B | A                | 2 |
| 34 | 6 | MCQ | XE-B | D                | 2 |
| 35 | 6 | NAT | XE-B | 0.09 to 0.11     | 2 |
| 36 | 6 | NAT | XE-B | 4 to 4           | 2 |
| 37 | 6 | NAT | XE-B | 0.1 to 0.1       | 2 |
| 38 | 6 | NAT | XE-B | 635.00 to 637.00 | 2 |
| 39 | 6 | NAT | XE-B | 6.00 to 6.50     | 2 |
| 40 | 6 | NAT | XE-B | 8 to 8           | 2 |
| 41 | 6 | NAT | XE-B | 5 to 5           | 2 |
| 42 | 6 | NAT | XE-B | 7.85 to 8.11     | 2 |
| 43 | 6 | NAT | XE-B | 0.30 to 0.35     | 2 |
| 44 | 6 | MCQ | XE-C | B                | 1 |
| 45 | 6 | MCQ | XE-C | B                | 1 |
| 46 | 6 | MCQ | XE-C | C                | 1 |
| 47 | 6 | MCQ | XE-C | C                | 1 |
| 48 | 6 | MCQ | XE-C | D                | 1 |
| 49 | 6 | MSQ | XE-C | A; C; D          | 1 |
| 50 | 6 | MSQ | XE-C | A; B             | 1 |
| 51 | 6 | MSQ | XE-C | A; B; C          | 1 |
| 52 | 6 | NAT | XE-C | 12 to 12         | 1 |
| 53 | 6 | MCQ | XE-C | A                | 2 |
| 54 | 6 | MCQ | XE-C | C                | 2 |
| 55 | 6 | MCQ | XE-C | D                | 2 |
| 56 | 6 | MCQ | XE-C | B                | 2 |
| 57 | 6 | MSQ | XE-C | B; C             | 2 |
| 58 | 6 | MSQ | XE-C | A; C             | 2 |
| 59 | 6 | MSQ | XE-C | A; D             | 2 |
| 60 | 6 | MSQ | XE-C | A; D             | 2 |
| 61 | 6 | MSQ | XE-C | B; D             | 2 |
| 62 | 6 | NAT | XE-C | 196 to 200       | 2 |
| 63 | 6 | NAT | XE-C | 20.0 to 23.2     | 2 |
| 64 | 6 | NAT | XE-C | 44.0 to 46.0     | 2 |
| 65 | 6 | NAT | XE-C | 30.0 to 33.0     | 2 |
| 66 | 6 | MCQ | XE-D | D                | 1 |
| 67 | 6 | MCQ | XE-D | A                | 1 |
| 68 | 6 | MCQ | XE-D | B                | 1 |
| 69 | 6 | MCQ | XE-D | A                | 1 |
| 70 | 6 | MCQ | XE-D | D                | 1 |
| 71 | 6 | MCQ | XE-D | A                | 1 |
| 72 | 6 | MSQ | XE-D | A;B;C            | 1 |

|     |   |     |      |                  |   |
|-----|---|-----|------|------------------|---|
| 73  | 6 | NAT | XE-D | 0.9 to 1.1       | 1 |
| 74  | 6 | NAT | XE-D | 24 to 26         | 1 |
| 75  | 6 | MCQ | XE-D | C                | 2 |
| 76  | 6 | MCQ | XE-D | D                | 2 |
| 77  | 6 | MCQ | XE-D | C                | 2 |
| 78  | 6 | MCQ | XE-D | B                | 2 |
| 79  | 6 | MSQ | XE-D | A;C              | 2 |
| 80  | 6 | NAT | XE-D | 99.00 to 101.00  | 2 |
| 81  | 6 | NAT | XE-D | 41.0 to 43.0     | 2 |
| 82  | 6 | NAT | XE-D | 0.80 to 0.85     | 2 |
| 83  | 6 | NAT | XE-D | 0.29 to 0.33     | 2 |
| 84  | 6 | NAT | XE-D | 59.5 to 60.5     | 2 |
| 85  | 6 | NAT | XE-D | 1.9 to 2.1       | 2 |
| 86  | 6 | NAT | XE-D | 14 to 16         | 2 |
| 87  | 6 | NAT | XE-D | 0.66 to 0.68     | 2 |
| 88  | 6 | MCQ | XE-E | C                | 1 |
| 89  | 6 | MCQ | XE-E | B                | 1 |
| 90  | 6 | MCQ | XE-E | C                | 1 |
| 91  | 6 | MCQ | XE-E | A                | 1 |
| 92  | 6 | MCQ | XE-E | C                | 1 |
| 93  | 6 | MSQ | XE-E | A                | 1 |
| 94  | 6 | MSQ | XE-E | B; C             | 1 |
| 95  | 6 | NAT | XE-E | 88 to 88         | 1 |
| 96  | 6 | NAT | XE-E | 0.249 to 0.251   | 1 |
| 97  | 6 | MCQ | XE-E | C                | 2 |
| 98  | 6 | MCQ | XE-E | D                | 2 |
| 99  | 6 | MCQ | XE-E | C                | 2 |
| 100 | 6 | MCQ | XE-E | B                | 2 |
| 101 | 6 | MCQ | XE-E | D                | 2 |
| 102 | 6 | MCQ | XE-E | B                | 2 |
| 103 | 6 | NAT | XE-E | 28 to 28         | 2 |
| 104 | 6 | NAT | XE-E | 0 to 0           | 2 |
| 105 | 6 | NAT | XE-E | 49.0 to 51.0     | 2 |
| 106 | 6 | NAT | XE-E | 271.50 to 272.50 | 2 |
| 107 | 6 | NAT | XE-E | 10.50 to 11.50   | 2 |
| 108 | 6 | NAT | XE-E | 359 to 361       | 2 |
| 109 | 6 | NAT | XE-E | 40.000 to 44.500 | 2 |
| 110 | 6 | MCQ | XE-F | A                | 1 |
| 111 | 6 | MCQ | XE-F | B                | 1 |
| 112 | 6 | MCQ | XE-F | B                | 1 |

|     |   |     |      |                |   |
|-----|---|-----|------|----------------|---|
| 113 | 6 | MCQ | XE-F | D              | 1 |
| 114 | 6 | MCQ | XE-F | C              | 1 |
| 115 | 6 | MCQ | XE-F | D              | 1 |
| 116 | 6 | MCQ | XE-F | A              | 1 |
| 117 | 6 | MCQ | XE-F | C              | 1 |
| 118 | 6 | MSQ | XE-F | A;B            | 1 |
| 119 | 6 | MCQ | XE-F | B              | 2 |
| 120 | 6 | MCQ | XE-F | A              | 2 |
| 121 | 6 | MCQ | XE-F | C              | 2 |
| 122 | 6 | MSQ | XE-F | A;C            | 2 |
| 123 | 6 | MSQ | XE-F | A;B            | 2 |
| 124 | 6 | NAT | XE-F | 68 to 71       | 2 |
| 125 | 6 | NAT | XE-F | 126 to 144     | 2 |
| 126 | 6 | NAT | XE-F | 107 to 108     | 2 |
| 127 | 6 | NAT | XE-F | 8680 to 11300  | 2 |
| 128 | 6 | NAT | XE-F | 39900 to 40500 | 2 |
| 129 | 6 | NAT | XE-F | 0.48 to 0.54   | 2 |
| 130 | 6 | NAT | XE-F | 0.36 to 0.40   | 2 |
| 131 | 6 | NAT | XE-F | 0.36 to 0.40   | 2 |
| 132 | 6 | MCQ | XE-G | C              | 1 |
| 133 | 6 | MCQ | XE-G | D              | 1 |
| 134 | 6 | MCQ | XE-G | C              | 1 |
| 135 | 6 | MCQ | XE-G | C              | 1 |
| 136 | 6 | MCQ | XE-G | A              | 1 |
| 137 | 6 | MCQ | XE-G | D              | 1 |
| 138 | 6 | MCQ | XE-G | C              | 1 |
| 139 | 6 | MCQ | XE-G | C              | 1 |
| 140 | 6 | NAT | XE-G | 90 to 90       | 1 |
| 141 | 6 | MCQ | XE-G | B              | 2 |
| 142 | 6 | MCQ | XE-G | A              | 2 |
| 143 | 6 | MCQ | XE-G | A              | 2 |
| 144 | 6 | MSQ | XE-G | B; D           | 2 |
| 145 | 6 | MSQ | XE-G | B; D           | 2 |
| 146 | 6 | MSQ | XE-G | A; B           | 2 |
| 147 | 6 | MSQ | XE-G | A; C; D        | 2 |
| 148 | 6 | MSQ | XE-G | A; C           | 2 |
| 149 | 6 | MSQ | XE-G | A; B           | 2 |
| 150 | 6 | MSQ | XE-G | C; D           | 2 |
| 151 | 6 | NAT | XE-G | 1.50 to 1.60   | 2 |
| 152 | 6 | NAT | XE-G | 3 to 3         | 2 |

|     |   |     |      |                |   |
|-----|---|-----|------|----------------|---|
| 153 | 6 | NAT | XE-G | 6.05 to 6.18   | 2 |
| 154 | 6 | MCQ | XE-H | A              | 1 |
| 155 | 6 | MCQ | XE-H | B              | 1 |
| 156 | 6 | MCQ | XE-H | C              | 1 |
| 157 | 6 | MCQ | XE-H | B              | 1 |
| 158 | 6 | MCQ | XE-H | B              | 1 |
| 159 | 6 | MCQ | XE-H | B              | 1 |
| 160 | 6 | MCQ | XE-H | A              | 1 |
| 161 | 6 | MCQ | XE-H | A              | 1 |
| 162 | 6 | MCQ | XE-H | D              | 1 |
| 163 | 6 | MSQ | XE-H | B;C;D          | 2 |
| 164 | 6 | MSQ | XE-H | A;C;D          | 2 |
| 165 | 6 | MSQ | XE-H | A;B;C          | 2 |
| 166 | 6 | MSQ | XE-H | A;B            | 2 |
| 167 | 6 | MSQ | XE-H | B;D            | 2 |
| 168 | 6 | MSQ | XE-H | C;D            | 2 |
| 169 | 6 | MSQ | XE-H | C              | 2 |
| 170 | 6 | MSQ | XE-H | A              | 2 |
| 171 | 6 | NAT | XE-H | 0.45 to 0.55   | 2 |
| 172 | 6 | NAT | XE-H | 27.0 to 27.5   | 2 |
| 173 | 6 | NAT | XE-H | 0.180 to 0.185 | 2 |
| 174 | 6 | NAT | XE-H | 1 to 1         | 2 |
| 175 | 6 | NAT | XE-H | 30 to 30       | 2 |