



### Answer Key - XE: Engineering Sciences

| Q.No. | Session | Que.Type | Sec. Name | Key                        | Marks |
|-------|---------|----------|-----------|----------------------------|-------|
| 1     | 3       | MCQ      | GA        | C                          | 1     |
| 2     | 3       | MCQ      | GA        | B                          | 1     |
| 3     | 3       | MCQ      | GA        | D                          | 1     |
| 4     | 3       | MCQ      | GA        | D                          | 1     |
| 5     | 3       | MCQ      | GA        | B                          | 1     |
| 6     | 3       | MCQ      | GA        | D                          | 2     |
| 7     | 3       | MCQ      | GA        | C                          | 2     |
| 8     | 3       | MCQ      | GA        | B                          | 2     |
| 9     | 3       | MCQ      | GA        | B                          | 2     |
| 10    | 3       | MCQ      | GA        | B                          | 2     |
| 1     | 3       | MCQ      | XE-A      | B                          | 1     |
| 2     | 3       | MCQ      | XE-A      | D                          | 1     |
| 3     | 3       | MCQ      | XE-A      | B                          | 1     |
| 4     | 3       | MCQ      | XE-A      | A                          | 1     |
| 5     | 3       | MCQ      | XE-A      | D                          | 1     |
| 6     | 3       | NAT      | XE-A      | 5 to 5                     | 1     |
| 7     | 3       | NAT      | XE-A      | 2 to 2                     | 1     |
| 8     | 3       | MCQ      | XE-A      | C                          | 2     |
| 9     | 3       | MCQ      | XE-A      | A                          | 2     |
| 10    | 3       | MCQ      | XE-A      | B                          | 2     |
| 11    | 3       | NAT      | XE-A      | 0.43 to 0.47               | 2     |
| 1     | 3       | MCQ      | XE-B      | A                          | 1     |
| 2     | 3       | MCQ      | XE-B      | B                          | 1     |
| 3     | 3       | MCQ      | XE-B      | D                          | 1     |
| 4     | 3       | MCQ      | XE-B      | C                          | 1     |
| 5     | 3       | MCQ      | XE-B      | B                          | 1     |
| 6     | 3       | MCQ      | XE-B      | A                          | 1     |
| 7     | 3       | MCQ      | XE-B      | D                          | 1     |
| 8     | 3       | NAT      | XE-B      | 0.30 to 0.33               | 1     |
| 9     | 3       | NAT      | XE-B      | 5 to 5                     | 1     |
| 10    | 3       | MCQ      | XE-B      | C                          | 2     |
| 11    | 3       | MCQ      | XE-B      | B                          | 2     |
| 12    | 3       | MCQ      | XE-B      | A                          | 2     |
| 13    | 3       | MCQ      | XE-B      | C                          | 2     |
| 14    | 3       | MCQ      | XE-B      | A                          | 2     |
| 15    | 3       | NAT      | XE-B      | 79.60 to 79.90             | 2     |
| 16    | 3       | NAT      | XE-B      | 183.5 to 184.5             | 2     |
| 17    | 3       | NAT      | XE-B      | 1.21 to 1.35               | 2     |
| 18    | 3       | NAT      | XE-B      | 857 to 924                 | 2     |
| 19    | 3       | NAT      | XE-B      | 0.035 to 0.045             | 2     |
| 20    | 3       | NAT      | XE-B      | 20 to 20                   | 2     |
| 21    | 3       | NAT      | XE-B      | 30.5 to 34.5               | 2     |
| 22    | 3       | NAT      | XE-B      | 5 to 5 OR 500 to 500       | 2     |
| 1     | 3       | MCQ      | XE-C      | C                          | 1     |
| 2     | 3       | MCQ      | XE-C      | B                          | 1     |
| 3     | 3       | MCQ      | XE-C      | B                          | 1     |
| 4     | 3       | MCQ      | XE-C      | A                          | 1     |
| 5     | 3       | MCQ      | XE-C      | A                          | 1     |
| 6     | 3       | MCQ      | XE-C      | C                          | 1     |
| 7     | 3       | NAT      | XE-C      | 5.3 to 5.7                 | 1     |
| 8     | 3       | NAT      | XE-C      | 157 to 159                 | 1     |
| 9     | 3       | NAT      | XE-C      | 1.9 to 2.1                 | 1     |
| 10    | 3       | MCQ      | XE-C      | B                          | 2     |
| 11    | 3       | MCQ      | XE-C      | C                          | 2     |
| 12    | 3       | MCQ      | XE-C      | D                          | 2     |
| 13    | 3       | MCQ      | XE-C      | D                          | 2     |
| 14    | 3       | NAT      | XE-C      | 69 to 69                   | 2     |
| 15    | 3       | NAT      | XE-C      | 0.84 to 0.90               | 2     |
| 16    | 3       | NAT      | XE-C      | 0.33 to 0.45               | 2     |
| 17    | 3       | NAT      | XE-C      | 0.330 to 0.334             | 2     |
| 18    | 3       | NAT      | XE-C      | 4 to 4                     | 2     |
| 19    | 3       | NAT      | XE-C      | 0.97 to 1.09               | 2     |
| 20    | 3       | NAT      | XE-C      | 0.36 to 0.45               | 2     |
| 21    | 3       | NAT      | XE-C      | 2.20 to 2.28               | 2     |
| 22    | 3       | NAT      | XE-C      | 77 to 83                   | 2     |
| 1     | 3       | MCQ      | XE-D      | D                          | 1     |
| 2     | 3       | MCQ      | XE-D      | C                          | 1     |
| 3     | 3       | MCQ      | XE-D      | B                          | 1     |
| 4     | 3       | MCQ      | XE-D      | B                          | 1     |
| 5     | 3       | MCQ      | XE-D      | A                          | 1     |
| 6     | 3       | MCQ      | XE-D      | B                          | 1     |
| 7     | 3       | NAT      | XE-D      | 6.25 to 6.40               | 1     |
| 8     | 3       | NAT      | XE-D      | 90 to 90                   | 1     |
| 9     | 3       | NAT      | XE-D      | 150 to 150                 | 1     |
| 10    | 3       | MCQ      | XE-D      | D                          | 2     |
| 11    | 3       | MCQ      | XE-D      | A                          | 2     |
| 12    | 3       | MCQ      | XE-D      | B                          | 2     |
| 13    | 3       | MCQ      | XE-D      | D                          | 2     |
| 14    | 3       | MCQ      | XE-D      | A                          | 2     |
| 15    | 3       | NAT      | XE-D      | 9.99 to 10.00              | 2     |
| 16    | 3       | NAT      | XE-D      | 18.60 to 18.90             | 2     |
| 17    | 3       | NAT      | XE-D      | 4.477 to 4.487             | 2     |
| 18    | 3       | NAT      | XE-D      | 7 to 7                     | 2     |
| 19    | 3       | NAT      | XE-D      | 10.160 to 10.340           | 2     |
| 20    | 3       | NAT      | XE-D      | 5.600 to 5.650             | 2     |
| 21    | 3       | NAT      | XE-D      | 0.175 to 0.190             | 2     |
| 22    | 3       | NAT      | XE-D      | 1.90 to 2.05               | 2     |
| 1     | 3       | MCQ      | XE-E      | B                          | 1     |
| 2     | 3       | MCQ      | XE-E      | B                          | 1     |
| 3     | 3       | MCQ      | XE-E      | A                          | 1     |
| 4     | 3       | MCQ      | XE-E      | A                          | 1     |
| 5     | 3       | MCQ      | XE-E      | D                          | 1     |
| 6     | 3       | NAT      | XE-E      | 125 to 125                 | 1     |
| 7     | 3       | NAT      | XE-E      | 1 to 1                     | 1     |
| 8     | 3       | NAT      | XE-E      | 198 to 202                 | 1     |
| 9     | 3       | NAT      | XE-E      | 63.5 to 65.5               | 1     |
| 10    | 3       | MCQ      | XE-E      | A                          | 2     |
| 11    | 3       | MCQ      | XE-E      | D                          | 2     |
| 12    | 3       | MCQ      | XE-E      | B                          | 2     |
| 13    | 3       | MCQ      | XE-E      | A                          | 2     |
| 14    | 3       | MCQ      | XE-E      | A                          | 2     |
| 15    | 3       | MCQ      | XE-E      | C                          | 2     |
| 16    | 3       | NAT      | XE-E      | 1.15 to 1.25               | 2     |
| 17    | 3       | NAT      | XE-E      | 590 to 600                 | 2     |
| 18    | 3       | NAT      | XE-E      | 2610 to 2614               | 2     |
| 19    | 3       | NAT      | XE-E      | 1.20 to 1.26               | 2     |
| 20    | 3       | NAT      | XE-E      | 39 to 42                   | 2     |
| 21    | 3       | NAT      | XE-E      | 0.52 to 0.57               | 2     |
| 22    | 3       | NAT      | XE-E      | 2.30 to 2.40               | 2     |
| 1     | 3       | MCQ      | XE-F      | C                          | 1     |
| 2     | 3       | MCQ      | XE-F      | B                          | 1     |
| 3     | 3       | MCQ      | XE-F      | C                          | 1     |
| 4     | 3       | MCQ      | XE-F      | C                          | 1     |
| 5     | 3       | MCQ      | XE-F      | C                          | 1     |
| 6     | 3       | MCQ      | XE-F      | A                          | 1     |
| 7     | 3       | MCQ      | XE-F      | B                          | 1     |
| 8     | 3       | MCQ      | XE-F      | B                          | 1     |
| 9     | 3       | MCQ      | XE-F      | C                          | 1     |
| 10    | 3       | MCQ      | XE-F      | C                          | 2     |
| 11    | 3       | MCQ      | XE-F      | D                          | 2     |
| 12    | 3       | MCQ      | XE-F      | D                          | 2     |
| 13    | 3       | MCQ      | XE-F      | B                          | 2     |
| 14    | 3       | MCQ      | XE-F      | B                          | 2     |
| 15    | 3       | NAT      | XE-F      | 17150 to 17250             | 2     |
| 16    | 3       | NAT      | XE-F      | 15.3 to 15.5               | 2     |
| 17    | 3       | NAT      | XE-F      | 60000 to 62000             | 2     |
| 18    | 3       | NAT      | XE-F      | 0.40 to 0.42               | 2     |
| 19    | 3       | NAT      | XE-F      | 15800 to 16000             | 2     |
| 20    | 3       | NAT      | XE-F      | 0.2 to 0.2                 | 2     |
| 21    | 3       | NAT      | XE-F      | 15.75 to 15.95             | 2     |
| 22    | 3       | NAT      | XE-F      | 14.9 to 15.1               | 2     |
| 1     | 3       | MCQ      | XE-G      | B                          | 1     |
| 2     | 3       | MCQ      | XE-G      | B                          | 1     |
| 3     | 3       | MCQ      | XE-G      | C                          | 1     |
| 4     | 3       | MCQ      | XE-G      | A                          | 1     |
| 5     | 3       | MCQ      | XE-G      | A                          | 1     |
| 6     | 3       | MCQ      | XE-G      | B                          | 1     |
| 7     | 3       | MCQ      | XE-G      | D                          | 1     |
| 8     | 3       | NAT      | XE-G      | 0.15 to 0.21               | 1     |
| 9     | 3       | NAT      | XE-G      | 17.00 to 19.00             | 1     |
| 10    | 3       | MCQ      | XE-G      | D                          | 2     |
| 11    | 3       | MCQ      | XE-G      | A                          | 2     |
| 12    | 3       | MCQ      | XE-G      | D                          | 2     |
| 13    | 3       | MCQ      | XE-G      | B                          | 2     |
| 14    | 3       | MCQ      | XE-G      | C                          | 2     |
| 15    | 3       | MCQ      | XE-G      | B                          | 2     |
| 16    | 3       | MCQ      | XE-G      | C                          | 2     |
| 17    | 3       | MCQ      | XE-G      | A                          | 2     |
| 18    | 3       | MCQ      | XE-G      | B                          | 2     |
| 19    | 3       | NAT      | XE-G      | 491.00 to 495.00           | 2     |
| 20    | 3       | NAT      | XE-G      | 63.00 to 67.00             | 2     |
| 21    | 3       | NAT      | XE-G      | 49.00 to 52.00             | 2     |
| 22    | 3       | NAT      | XE-G      | 11.00 to 14.00             | 2     |
| 1     | 3       | MCQ      | XE-H      | D                          | 1     |
| 2     | 3       | MCQ      | XE-H      | A                          | 1     |
| 3     | 3       | MCQ      | XE-H      | B                          | 1     |
| 4     | 3       | MCQ      | XE-H      | C                          | 1     |
| 5     | 3       | MCQ      | XE-H      | B                          | 1     |
| 6     | 3       | MCQ      | XE-H      | C                          | 1     |
| 7     | 3       | NAT      | XE-H      | -0.17 to -0.16             | 1     |
| 8     | 3       | NAT      | XE-H      | 0.2 to 0.2                 | 1     |
| 9     | 3       | NAT      | XE-H      | 24 to 24                   | 1     |
| 10    | 3       | MCQ      | XE-H      | D                          | 2     |
| 11    | 3       | MCQ      | XE-H      | B                          | 2     |
| 12    | 3       | MCQ      | XE-H      | A                          | 2     |
| 13    | 3       | MCQ      | XE-H      | A                          | 2     |
| 14    | 3       | MCQ      | XE-H      | B                          | 2     |
| 15    | 3       | MCQ      | XE-H      | C                          | 2     |
| 16    | 3       | MCQ      | XE-H      | C                          | 2     |
| 17    | 3       | NAT      | XE-H      | 10000 to 10000             | 2     |
| 18    | 3       | NAT      | XE-H      | 3.40 to 3.50               | 2     |
| 19    | 3       | NAT      | XE-H      | -1000 to -1000             | 2     |
| 20    | 3       | NAT      | XE-H      | 10 to 10                   | 2     |
| 21    | 3       | NAT      | XE-H      | 10.3 to 10.5               | 2     |
| 22    | 3       | NAT      | XE-H      | -100 to -100 or 100 to 100 | 2     |