

## CHAPTER 1 SOLUTIONS TO STANDARD EXAM QUESTIONS

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### Part 1

1.

- (a) Three thousand eighteen.
- (b) Two hundred thousand five hundred sixty-two.
- (c) One million twenty-three thousand twenty-two.
- (d) Three billion, two hundred sixty-five million, ninety-one thousand, four hundred twenty-seven.
- (e) Five million, seven hundred thousand, five hundred sixty.
- (f) Eight hundred eighty million, eighty-eight thousand, eight hundred eight.
- (g) One million, ninety thousand, four hundred.
- (h) One hundred two million, sixty thousand, four hundred.
- (i) Three million, seven hundred thousand, five hundred sixty.
- (j) Four million, ninety-three thousand, two hundred forty-six.

2.

- (a) Forty-two thousand seven hundred ten.
- (b) Ten thousand three hundred.
- (c) Eight billion, twenty-three million, one hundred thirty-six thousand, five hundred twenty.
- (d) One million, sixty-five thousand sixty-five
- (e) One hundred thousand twenty.
- (f) Forty thousand six hundred.
- (g) Fifty-four thousand fifty-four.
- (h) Eighteen thousand.
- (i) Twenty-five thousand three hundred sixty.
- (j) Three million, twenty-three thousand three hundred twenty.

### Part 2

1.

- |                   |                |                 |
|-------------------|----------------|-----------------|
| (a) 193           | (e) 27 027     | (i) 320 000 000 |
| (b) 2 000 000 808 | (f) 100 001    | (j) 1 092 992   |
| (c) 8 800         | (g) 4 001 001  |                 |
| (d) 602 827       | (h) 21 007 704 |                 |

2.

- |               |               |             |
|---------------|---------------|-------------|
| (a) 9 909     | (e) 1 023 123 | (i) 76 666  |
| (b) 73 073    | (f) 10 102    | (j) 410 000 |
| (c) 49 424    | (g) 2 202 202 |             |
| (d) 9 500 025 | (h) 3 000 123 |             |

### Part 3

1.

- (a) Ten thousand
- (b) Ones
- (c) Hundreds
- (d) Tens
- (e) Hundred thousand

2.

- (a)  $2 \times 10\,000 = \mathbf{20\,000}$
- (b)  $9 \times 100 = \mathbf{900}$
- (c)  $0 \times 10 = \mathbf{0}$
- (d)  $3 \times 1\,000\,000 = \mathbf{3\,000\,000}$
- (e)  $7 \times 100\,000 = \mathbf{700\,000}$

### Part 4

1.

- (a) 486, 640, 846, 860
- (b) 600, 1 034, 10 801, 100 210
- (c) 9 040, 9 042, 9 104, 9 410
- (d) 80, 82, 802, 8 002
- (e) 1 023, 1 032, 1 200, 1 302

2.

- (a) 9 099, 8 999, 8 074, 4 086
- (b) 61 200, 61 002, 60 051, 60 021
- (c) 9 021, 8 594, 8 130, 5 432
- (d) 81 200, 80 730, 80 201, 80 000
- (e) 150 000, 51 000, 15 000, 1 500

### Part 5

1.

- (a) CCCXIX, DCCCLXXIV, MCC, MCM, MCMLXXII, MMXIX
- (b) IX, XVII, XXV, XLIX, LIV, CXXII
- (c) XXXIV, XCIV, CLXXIV, CCIV, DIV, MIV
- (d) XXIV, XCIX, DXC, CMIV, MDL, MDC
- (e) VIII, XX, XXIV, LX, LXXX, CL
- (f) III, IV, VI, IX, XII, XIV

2.

- (a) CMXCVIII, DCCCXXV, DCLIV, XLIX, XLIV, XXXIX
- (b) CMXCIX, CMXX, CDXII, XCIV, XLIV, IX
- (c) XXXIII, XXI, XIX, XV, XI, VIII
- (d) DC, XL, XI, IX, VI, IV
- (e) CMXLVII, CM, DC, XCIV, LX, XL
- (f) MDL, DXC, LXX, LIV, LIII, XLII

## Part 6

1.

- |           |           |                 |
|-----------|-----------|-----------------|
| a) XXXIII | h) XXIX   | o) LXXXVIII     |
| b) XVIII  | i) CCCXV  | p) DCIV         |
| c) IX     | j) CCXC   | q) MCCCII       |
| d) XXVII  | k) LXVI   | r) MMXIX        |
| e) XXIV   | l) LXXIII | s) MCMLXXVI     |
| f) XCI    | m) XLI    | t) DCCCLXXXVIII |
| g) LIV    | n) XLV    |                 |

2.

- |        |          |        |
|--------|----------|--------|
| a) 20  | e) 400   | i) 940 |
| b) 21  | f) 2 002 | j) 523 |
| c) 200 | g) 1 010 |        |
| d) 95  | h) 99    |        |

## Part 7

- (a) MDCCCII
- (b) LI
- (c) MCDXXXIII
- (d) MDCCCIII
- (e) LXV
- (f) 69
- (g) I, V, X, XI, XIV, L, C, D
- (h) DCLIV
- (i) MMXIX
- (j) LXXXIV