**gvD›U Gfv‡i÷ K‡jR, w`bvRcyi**

**K¬vm †U÷**

‡mU- K

**welq: Z\_¨ I †hvMv‡hvM cÖhyw³**

(eûwbe©vPbx cÖkœcÎ)

welq †KvWt 275

|  |  |  |
| --- | --- | --- |
| 2 | 7 | 5 |

welq †KvWt

c~Y©gvbt 20 mgqt 15 wgwbU

1. 0 Ges 1 -G A¼ `yBwUi cÖ‡Z¨KwU‡K Kx ejv nq?

(K) weU (L) wWwRU

(M) evBbvwi (N) msL¨v

1. (37.125)10 Gi evBbvwi gvb KZ?

(K) 100101.01 (L) 100101.001

(M) 101001.01 (N) 101001.001

1. (A0)16 Gi `kwgK mgZzj¨ gvb KZ?

(K) 80 (L) 100 (M) 160 (N) 256

1. 1, 8, F avivwUi cieZx© gvb KZ?

(K) A (L) B (M) 16 (N) 22

1. 1012 + 1002 = ?

(K) 910 (L) 10112 (M) A16 (N) 138

DÏxcKwU co Ges 6 I 7 bs cÖ‡kœi DËi `vI:

wk¶K QvÎ‡K †ivj bs wRÁvmv Kij| QvÎwU evBbvwi c×wZ‡Z †ivj bs 1101 ejj|

1. DÏxc‡K Dwj­wLZ msL¨vi mv‡\_ (1001)­2 Gi †hvMdj KZ?

(K) (01100)2 (L) (10110)2

(M) (10010)2 (N) (11110)2

1. DÏxc‡Ki †ivj bs Gi mgK¶ msL¨v n‡jv-

i. (13)10 ii. (11)16 iii. (15)8

wb‡Pi †KvbwU mwVK?

(K) i I ii (L) i I iii

(M) ii I iii (N) i, ii I iii

1. 8 bit = KZ Character?

(K) 1 (L) 2 (M) 4 (N) 8

1. (37)8 Gi c‡ii msL¨v †KvbwU?

(K) (36)8  (L) (38)8

(M) (40)8 (N) (50)8

1. (10)16 Gi c~‡e©i msL¨v †KvbwU?

(K) (9)16 (L) (F)16

(M) (16)16  (N) (1)16

1. (10011010)2 †K †Kvb msL¨v c×wZ‡Z cÖKvk Ki‡Z me‡P‡q Kg msL¨K A¼ cÖ‡qvRb?

(K) evBbvwi (L) A±vj

(M) †n·v`kwgK (N) `kwgK

1. 1 + 1 + 1 Gi evBbvwi †hvMdj KZ?

(K) †hvMdj = 0, K¨vwi = 0

(L) †hvMdj = 0, K¨vwi = 1

(M) †hvMdj = 1, K¨vwi = 0

(N) †hvMdj = 1, K¨vwi = 1

1. (11011)2 − ( 1011)2 = ?

(K) (1100)2 (L) (10000)2

(M) (1101)2 (N) (1111)2

1. 438 msL¨vwU n‡Z cv‡i−

i. †Wwmgvj ii. A±vj iii. †n·v‡Wwmgvj

wb‡Pi †KvbwU mwVK ?

(K) i I ii (L) i I iii

(M) ii I iii (N) i, ii I iii

1. ABC Gi c~‡e©i I c‡ii msL¨vi †hvMdj †KvbwU?

(K) 1577 (L) 1578

(M) 1678 (N) 1688

1. Kw¤úDUv‡i †hvM, we‡qvM, ¸Y I fvM Kiv nq †Kvb cÖwµqvq?

(K) mvaviY †hvM, we‡qvM, ¸Y I fvM cÖwµqvq

(L) ïaygvÎ †hvM cÖwµqvq

(M) ïaygvÎ we‡qvM cÖwµqvq

(N) ïaygvÎ ¸Y cÖwµqvq

wb‡Pi DÏxcKwU co Ges 17 I 18bs cÖ‡kœi DËi `vI:

wg. AvwZK Kvgvj‡K ejj, Ò†Zvgvi eqm KZ?Ó Kvgvj ejj †h Zvi eqm (101101)2|

1. `k eQi ci Kvgv‡ji eqm evBbvwi‡Z KZ n‡e?

(K) (101011)2 (L) (101110)2

(M) (101111)2 (N) (110011)2

1. `k eQi c~‡e© Kvgv‡ji eqm †n·v‡Wwmgv‡j KZ wQj?

(K) (23)16 (L) (35)16

(M) (45)16  (N) (55)16

1. 101.000 †\_‡K .110 Gi we‡qvMdj †KvbwU?

(K) 1.01 (L) 10.1 (M) 110 (N) 111

1. 0.25 `kwgK msL¨vi mgZzj¨ gvb−

i. (0.4)16 ii. (0.01)2 iii. (0.2)8

wb‡Pi †KvbwU mwVK ?

(K) i I ii (L) i I iii

(M) ii I iii (N) i, ii I iii