**gvD›U Gfv‡i÷ K‡jR, w`bvRcyi**

‡mU- K

**g‡Wj †U÷**

welq †KvWt 275

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

welq †KvWt

**welqt Z\_¨ I †hvMv‡hvM cÖhyw³**

(m„Rbkxj cÖkœcÎ)

c~Y©gvbt 50 (†h †Kvb 5wU cÖ‡kœi DËi `vI) mgqt 2 N›Uv 30 wgwbU

1| mvjvg mv‡n‡ei e¨emv cÖwZôv‡b cÖ‡e†ki mgq GKwU evU‡b e„×v½yj ivL‡j `iRv Ly‡j hvq| d‡j †h †KD B”QvgZ †mLv‡b cÖ‡ek Ki‡Z cv‡i bv Ges Kg©Pvix‡`i mwVK mg‡q Awd‡m cÖ‡ek wbwðZ nIqvq e¨emvi jvf A‡bK †e‡o‡Q| nVvr GK `yN©Ubvq wbnZ eû kÖwgK‡`i cwiPq cÖv\_wgK Ae¯’vq mbv³ Kiv hvw”Qj bv| cieZx©‡Z miKv‡ii mw`”Qvq D”P cÖhyw³i gva¨‡g AwaKvsk jvk mbv³ Kiv m¤¢e nq|

(K) ev‡qvBbdi‡gwU· Kx? 1

(L) "wb¤œ ZvcgvÎvq RxevYy aŸsm Kiv hvq" -e¨vL¨v Ki| 2

(M) DÏxcK Abymv‡i cÖwZôv‡b Kg©Pvix‡`i cÖ‡ek cÖwµqvwU e¨vL¨v Ki| 3

(N) DÏxc‡K ewY©Z cwiw¯’wZ‡Z kÖwgK‡`i jvk mbv³Ki‡Yi Rb¨ M„nxZ c×wZ g~j¨vqb Ki| 4

2| wb‡Pi DÏxcKwU jÿ Ki Ges cÖkœ¸‡jvi DËi `vIt



(K) U‡cvjwR Kx? 1

(L) "K¬vDW Kw¤úDwUs Kw¤úDUvi e¨enviKvix‡`i Pvwn`vi RM‡Z Av‡b GK Avg~j cwieZ©b" -e¨vL¨v Ki| 2

(M) wPÎ−1 Gi Kw¤úDUvi¸‡jvi g‡a¨ †WUv UªvÝwgkb c×wZ Av‡jvPbv Ki| 3

(N) wPÎ−1 I wPÎ−2 Gi g‡a¨ †Kvb †bUIqvK© e¨envi Kiv myweavRbK? we‡k­lY Ki| 4

3| ICT wk¶K K¬v‡m wewfbœ cÖKvi msL¨v c×wZi †hvM I we‡qvM wb‡q Av‡jvPbv Ki‡jb| wZwb ÷z‡W›U‡`i ej‡jb- Kw¤úDUv‡i we‡qv‡Mi wb‡`©k n‡j Kw¤úDUvi Zv †hv‡Mi gva¨‡g m¤cbœ K‡i| Gici wZwb (127.625)10 I (11)8 msL¨v `ywUi †hvM I we‡qvM †kLv‡jb|

(K) Unicode Kx? 1

(L) evBbvwi I wewmwW †Kv‡Wi g‡a¨ cv\_©K¨ Kx? -e¨vL¨v Ki| 2

(M) DÏxc‡Ki `kwgK msL¨vwU‡K 2-wfwËK msL¨vq iƒcvন্তi Ki| 3

(N) DÏxc‡K Dwj­wLZ Kw¤úDUv‡ii we‡qv‡Mi c×wZwU e¨envi K‡i (+78)10 n‡Z (+75)10 we‡qvM Ki| 4

4| A B

|  |  |  |
| --- | --- | --- |
| Input | | Output |
| P | Q | R |
| 0 | 0 | 1 |
| 0 | 1 | 1 |
| 1 | 0 | 1 |
| 1 | 1 | 0 |

****

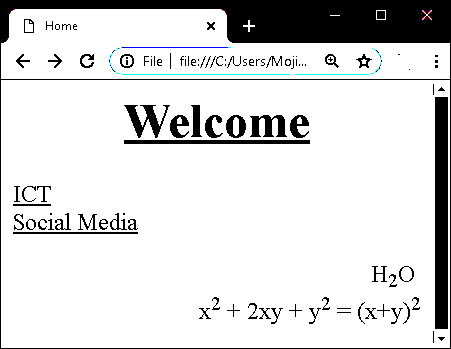
mvwK©U-1 mvwK©U-2 mviYx-1

(K) jwRK †MBU Kx? 1

(L) nvd-A¨vWvi I dzj-A¨vWvi -Gi g‡a¨ cv\_©K¨ wjL| 2

(M) DÏxc‡Ki mZ¨K mviwYwU ‡h †MBU wb‡`©k K†i ïaygvÎ Zvi gva¨‡g Y -Gi gvb‡K evস্তevqb Ki| 3

(N) DÏxc‡Ki jwRK mvwK©U-1 wU b~¨bZg msL¨K †MBU Øviv evস্তevqb m¤¢e −we‡k­lYc~e©K Dw³wUi mZ¨Zv hvPvB Ki| 4

5|

`„k¨Kí-1

`„k¨Kí-1 -Gi Table -wUi GKwU ‡m‡j pic.jpg bvgK (100×50) mvB‡Ri GKwU Image i‡q†Q|

`„k¨Kí-2

`„k¨Kí-2 -Gi webpage –wUi ICT †jLv‡Z Click Ki‡j ict.html bvgK webpage -G hvq Ges Social Media †jLv‡Z Click Ki‡j Facebook -Gi Website -G hvq|

(K) Empty tag (dvuKv U¨vM) Kx? 1

(L) PviwU I‡qemvBU KvVv‡gvi bvg wjL| 2

(M) DÏxc‡Ki `„k¨Kí-1 -Gi html †KvW wjL| 3

(N) DÏxc‡Ki `„k¨Kí-2 -Gi I‡qe‡cRwUi html †KvW wjL| 4

6|

**#include<stdio.h>**

**main( )**

**{**

**int i, n, sum=0 ;**

**scanf(“%d”, &n);**

**for( i = 3 ; i <= n ; i = i + 3 )**

**{**

**sum = sum + i ;**

**}**

**printf(“Summation = %d”, sum);**

**}**

(K) A¨vjMwi`g (Algoriithm) Kx? 1

(L) 2wU †WUv‡eR †Uwe‡ji g‡a¨ wi‡jkb ˆZwii c~e©kZ© Kx Kx? 2

(M) DÏxc‡Ki †cÖvMÖvgwU do...while jy‡ci gva¨‡g wjL| 3

(N) DÏxc‡Ki †cÖvMÖvgwUi cÖevnwPÎ (Flowchart) AO&Kb Ki| 4

7| (i) †Rvo I we‡Rvo †ei Kivi †cÖvMÖvg

(ii) Awael© (Leap Year) †ei Kivi †cÖvMÖvg

(K) jywcs Kx? 1

(L) †nWvi dvBj †Kb e¨eüZ nq? 2

(M) (i) bs -Gi A¨vjMwi`g (Algoriithm) wjL| 3

(N) (ii) bs -Gi C-‡cÖvMÖvg wjL| 4

8| wb‡Pi †Uwej `ywU jÿ¨ Ki Ges cÖkœ¸‡jvi DËi `vIt

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Roll | Name | GPA |  | Registration | Admission Date |
| 1 | Mahdi | 4.50 |  | 101 | 12 Jan 2015 |
| 2 | Sumon | 5.00 |  | 102 | 13 Feb 2014 |
| 3 | Salim | 4.88 |  | 103 | 2 Aug 2016 |

†Uwej−1 †Uwej−2

(K) †WUv‡eR Kv‡K e‡j? 1

(L) 2wU †WUv‡eR †Uwe‡ji g‡a¨ wi‡jkb ˆZwii c~e©kZ© Kx Kx? 2

(M) †Uwej−1 G bZzb GKwU †iKW© hy³ Kivi Rb¨ SQL KgvÛ wjL| 3

(N) †Uwej−1 I †Uwej−2 Gi g‡a¨ †Kvb ai‡bi wi‡jkb ˆZwi m¤¢e Zv wPÎmn †`LvI| 4