**ENGLISH**

**Affirmative to Negative :**

1. Affirmative sentence Gi †Kvb Key Word Gi wecixZv\_©K iyc (Antonym) e¨envi K‡i Ges Zvi Av‡M Negative Word ev Not ewm‡q †hgb t

* The executives were kind people.
* The executives were not unkind people.
* I missed the train.
* Could not catch the train.

1. Only ev alone †Kvb e¨w³evPK Word †K qualify Ki‡j Zvi cwie‡Z© none but ev no other than/but, †Kvb e¯‘evPK Word †K qualify Ki‡j Zvi cwie‡Z© nothing but, †Kvb e¯‘evPK †K Word †K qualify Ki‡j Zvi cwie‡Z© no more than e¨envi K‡i, †hgb t

* Only a regw can act thus.
* None but a regw can act thus.

1. Must Gi cwie‡Z© cannot but A\_ev, Cannot help e¨envi K‡i (g‡b ivL‡Z n‡e cannot but Gi c‡i bare infinitive (to wenxb infinitive) Ges Cannot help Gi c‡i gerund (verb+ing) e‡m| †hgb t

* Man must submit to destiny.
* Man cannot but submit to destiny.
* You must tell the truth.
* You cannot help telling th truth.

1. Adjuctive iy‡c e¨eüZ every ev all Gi cwie‡Z© sentence Gi cÖ\_‡g there is no Zvici every ev all‡h word ev word mgwó‡K qualify K‡i †mwU, Zvici Negative Relative “but” (Who/ Whice/ That+not) ÑZvici cÖ`Ë Sentence Gi Aewkó Ask ewm‡q| †hgb t-

* Every one will admit this.
* There is no one but (who will not) admit this.
* All men are mortal.
* There is no man but is (who is not) mortal.
* Or, No man is immortal.
* Every one hates a liar.
* No one loves a liar.

1. Always \_vK‡j Zvi cwie‡Z© “Never” Ges c‡ii Key word wecixZv\_©K iyc (antonym) ewm‡q| †hgb t-

* I shall always remember your advice.
* I shall never forget your advice.
* We should always speak the truth.
* We should never tell a lie.

1. As soon as wewkó affirmative sentence Gi Negative G iycvš—i †hgb t-

No sooner+had+subject+past partiviple+Ext+than+principal clause †hgb t-

* As soon as I reached the station than the train left.
* No sooner had I reached the station than the train left.
* As soon as the tracher came, there was a pindrop silence.
* No sooner had the teacher come than there was a pindrop silence.

1. Finite verb present ev Future Indefinite n‡j Tense Gi †Kv‡bv cvwieZ©b n‡e bv, ïay auxiliary verb subject Gi c~‡e© em‡e| †hgb :

* As soon as I reach home, I shall meet mother.
* As soon as Gi cwie‡Z© No sooner n‡e|

evsjv

1. **Zrmg ev ms¯‹…Z kã t** P›`ª, m~h©, bÎ, f~eb, ag©, cÎ, gbyl¨, g¯—K, Abœ, e¯¿, M~n, Ak¦, n¯—x, Kg©, AvKvk, evqy, AiY¨, c`, e„, e¯‘, Kg©, †fvRb, A`¨, Kj¨, cy®ú, jZv, `š—¨, KY©, bvwmKv, gvZ„, wcZ…, `wa, fw³, K…ò, jvf, ¶wZ, gyw³, kw³ BZ¨vw`|
2. **Aa©Zrmg kã :** Zrmg -> Aa©Zrmg †hgb t kª× - †QivÏ, kªx - wQwi, wbgš¿b - †bgZbœ, MÖvg - †Mivg, gš¿, - gš—i, cÖbvg - †cbœvg, M„nxbx - wMbœx, Jla - Ilya, †R¨vrmœv - †RvQbv, ˆeTe - †evóg, wg\_¨v - wgQv, ivwÎ - ivwËi, wcË - wcwËi, K…ò - †Kó, cÖÎ - cyÎ - cyËzi, kÎy - mËzi, MvÎ - MZi, w¶av - w¶‡`, e„wó - wewó, gnvN© - gvMMx|
3. **Z™¢e kã t** Zrmg -> Aa©Îmg -> Z™¢e| †hgb t Kg©Kvi -> Kg©Avi -> Kvgvi, n¯—-> nš— -> nvZ ->, Pg©Kvi -> P¤§Avi -> Pvgvi, P›`ª -> P›` -> Puv`, KY© -> Kbœ -> Kvb, g¯—K -> g¯’K -> gv\_v, cv` -> cvZœ -> cv, gvZv -> gvAv -> gv, mc© -> mà -> mvc|

AviI wKQz Z™¢e kã -> nvZ, cv, †PvL, Kvb, gv, evc, fvB, †evb, gvgv, R¨vVv, Kvgvi, Kzgvi, †Mvqvjv, Miy, †qvov, DU, nvwZ, Mvav, mvc, †mvbv, iæcv, Avg, QvZv, jvwV, evwZ, GK, `yB, wZb, Pvi, cuvP, Qq, mvZ, AvU, bq, `k, †cvqv, mv‡o, †`o, AvU, cqjv, nu¨v, bv, bvPv, MvIqv, nuvUv, Pjv, hvIqv, BZ¨vw`|

1. **†`kx kã t**

**K. Rxe Rš‘ I cvwLi bvg t** ‡LKwkqvj, eveyB, †bswU, nuvwo, †\_j, ûZzg BZ¨vw`|

**L. Ni M„n¯’jx I cÖ‡qvRbxq wRwbmc‡Îi bvg t** LvjyB, Pvwo, wPgUv, SvUv, †XwK, cvwZj, evLvwi, evZv, wePvwj, `iRv, †muDwZ BZ¨vw`|

**M. djg~j I Lv`¨`ªe¨ t** K`y, D‡”P, BPo, RjcvB, †dvdi, †Ucvwi, ay›`j, jvD, \_vbKzwb, ‡\_vo, Avgvwb, gvj‡cv, evZvmv, Rviyj, awbPv, wbwm›`v, †QvMjv BZ¨vw`|

**N. gv‡Qi bvg t** †Usiv, †Pjv, cvi‡m, †cvbv, evUv, †jVv, weVv, MRvj, KvZjv BZ¨vw`|

**O. Ab¨vb¨ kã t** Kzwo, U¨v½v, Wve, †Svj, †fvg, gywo, ev`yo, g~‡jv, †fjv, eowm, mowK, †KuvP, WywM, wUKviv, `vev, wPK, b\_, gvKwi, gj, AvwU, AvQvo, AvÇv, PvUvB, †QvKiv, Wvjbv, wWMevwR, ‡Wvev, gvV, gUKv, VvÆv, KwP, Vuvmv, Vz‡Uv, †cvKv, Kvbv, †evSv, m‡jv, gB, gvPv, hvZv, jvwV, †eviv, evLvwi, cqjv, †cU, †cUiv, SvD, Svj, †Svj, wSbyK, BZ¨vw`|

1. **we‡`kx kã t**

**K. Aviwe fvlvi kã t**

🡪 ag© msµvš— kã t Avj­­vn, Bmjvg, Cgvb, Ihy, †Kvievbx, KziAvb, †KqvgZ, †Mvmj, RbœvZ, Rvnvbœvg, Ziev, Zmex, n¾, hvKvZ, nvjvj, nvivg, nid, nvj BZ¨vw`|

🡪 cÖkvmwbK I mvs¯‹…wZK kã t Av‡jg, Av`vjZ, Bbmvb, C`, DwKj, AvZi, GRjvm, G‡jg, †`vqvZ, bM`, evwK, gnKzgv, gy‡Ýd, †gv³vi, ivq, ZvwiL, Bkviv, Av`vq, Av`e-Kvq`v, Lei, LqivZ BZ¨vw`|

**L. Bs‡iRx fvlvi kã t** Avwdm, Avwdg, ¯‹zj, BDwbfvwm©wU, BDwbqb, K‡jR, wUb, †bvU, b‡fj, cvDWvi, †cwÝj, dzUej, e¨vM, gvóvi, jvB‡eªix, nvmcvZvj, ev·, †evZj, †KK, Pc, †KvU, c¨v›U, B¶z, RR, BwÁb, †kqvi, †c­b, w\_‡qUvi, Uq‡jU, GwmW, wdj¥, d¨vkb, †dvb, ej, †cb, †gvevBj, Kw¤úDUvi, wgwUs, wmwUs, †nv‡Uj, †gv‡Uj, K¨vjKz‡jUi, K¨v‡jÛvi, †Uwej, †Pqvi, eví, UvBc, UvBciv&BuUvi, d‡UvKwc, d‡Uv÷¨vU, dv÷dzW, Pc, evM©vi, jv‡MR, Kjvg, R¨vg, †iwWI, †Uwjwfkb, M­vm, Wvqwi, n¨vÛej, BZ¨vw`|

**M. cZ©yMxR fvlvi kã t** Avbvim, Avjwcb, cvDiywU, Pvwe, Kwc, KvKvZzqv, †Kivwb, Miv`, Muv`v, MxR©v, Rvbvjv, †Mvjvc, AvjKvZiv, AvPvi, Avjgvwi, Avqv, †evgv, †evZvg, evjwZ, e›`i, evmb, wgw¯¿, wbjvg, †jvbv, †cu‡c, wc¯—j, †c‡iK, µzk, cvw`ª, whï, †cqviv, Kvgiv½v, Kwc, †Zvqvjv, ¸`vg, ZvgvK, g¯‹iv, cvPvi, evZvwe, mvevb, Uzwc, mvjmv, eviv›`v, wdZv, gvmyj, AvZv, wdwi½x, †evZj, Mvgjv, cv`wi, wcwiP, †c‡iK, †cqv‡j, †envjv, eM©v, mvey BZ¨vw`|

**N. divwm fvlvi kã t** KvZ©yR, Kzcb, wW‡cv, †i¯—iuv, K¨v‡d, ey‡R©vqv, gv`vg, e¨v‡j, M¨v‡iR, GwjU, †gby, ey‡d, wcRv, †mwgR, we¯‹zU, Auvk, RvnvR, †LvivwK, AuvZvZ, g¨vwUwb, †i‡bmuv, w`‡bgvi, Bs‡iR BZ¨vw`|

**O. Ij›`vR fvlvi kã t** B¯‹vcb, †UKKv, Zziyc, iyBZb, niZb|

**P. ¸RivwU fvlvi kã t** LÏi, niZvj, Rqwš—|

**Q. cvÄvwe fvlvi kã t** Pvwn`v, wkL|

**R. ZzwK© fvlvi kã t** Pviz, PvKi, †Zvc, `v‡ivMv, DreyK, Dw`©, D`©y, KwÂ, Kzwb©k, Kzwj, †Kvg©v, Luv, †LvKv, PKgK, wPK, †PvMv, SKgK, VvKyi, ZK&gv, Zvjvk, ZyK©, †Zvc, `v`v, bvbv, bvbx, evev, eveywP©, †gvMj, jvk, mIMvZ BZ¨vw`|

**S. Pxbv fvlvi kã t** Pv, wPwb, wjPz, GjvwP, Zzdvb, jwe, wmÜzi|

**T. ewg© fvlvi kã t** wKqvs, jyw½, dzw½, NyNwb, jvgv, Rvgv BZ¨vw`|

**U. Rvcvwb fvlvi kã t** wiKkv, nvwiwKwi, c¨v‡MvWv, mv¤úvb BZ¨vw`|

**V. wMÖK fvlvi kã t** `vg, †Kvb, myi½|

**W. muvIZvjx fvlvi kã t** K¤^j, gq~i|

cwiwgwZ

1. **wÎf~‡Ri †¶Îdj t**

K. mvaviY wÎf~‡Ri †¶Îdj = \* f~wg \* D”PZv

L. mg‡KvYx wÎf~‡Ri †¶Îdj = \* mg‡KvY msjMœ evûØ‡qi ¸bdj

M. mgwØevû wÎf~‡Ri †¶Îdj =

†hLv‡b **a** = f~wg, **b** = Aci evû

N. mgevû wÎf~‡Ri †¶Îdj =

†hLv‡b **a** = †h †Kvb evûi ˆ`N©¨

O. mvaviY wÎf~‡Ri †¶Îdj =

†hLv‡b **a, b, c** n‡jv wZbwU evûi ‰`N©¨ Ges s = = cwimxgv/2

1. **AvqZ‡¶‡Îi †¶Îdj t**

K. AvqZ‡¶‡Îi †¶Îdj = ‰`N©¨ \* cÖ¯’

L. mvgšÍwi‡Ki †¶Îdj = f~wg \* D”PZv

M. eM©‡¶‡Îi †¶Îdj = (evû)2

N. wÎf~R‡¶‡Îi †¶Îdj = \* f~wg \* D”PZv

O. UªvwcwRqv‡gi †¶Îdj = \* mgvšÍivj eûØ‡qi ˆ`‡N©¨i mgwó \* D”PZv

P. i¤^‡mi †¶Îdj = \* KY©Ø‡qi ¸bdj

Q. e„‡Ëi †¶Îdj = cvB \* (e¨vmva©) 2 [cvB Gi gvb 3.1416]

R. AvqZKvi Nbe¯‘i AvqZb = AvqZKvi Nbe¯‘ Gi (‰`N©¨\*cÖ¯’\*D”PZv)

S. Nb‡Ki AvqZb = **a\*b\*c** Nb GKK = Nb GKK

1. **cwimxgv wbb©‡qi m~Î t**

K. AvqZ‡¶‡Îi cwimxgv = 2\*(ˆ`N©¨+cÖ¯’)

L. eM©‡¶‡Îi cwimxgv = 4\* eM©‡¶‡Îi GKevû

M. wÎf~‡Ri cwimxgv = wZb evûi mgwó

N. e„‡Ë cwimxgv = \*e¨vm

O. PZzf©~‡Ri cwimxgv = Pvi evûi mgwó

1. **†KvbK, †ejb I †Mvj‡Ki m~Î t**

K. †KvY‡Ki AvqZb = \* (f~wgi †¶Îdj \* D”PZv)

L. †ej‡bi AvqZb = f~wgi †¶Îdj \* D”PZv

M. †Mvj‡Ki AvqZb = cvB Avi wKDe GKK

N. †Mvj‡Ki c„‡ói †¶Îdj = cvB Avi2

1. **ˆ`N©¨ cwigv‡ci †gwUªK I weªwUk c×wZi m¤úK© t**

K. 1 wgUvi = 39.37 BwÂ (cÖvq)

L. 1 wK.wg = 0.62 gvBj

M. 1 BwÂ = 2.54 †m.wg

N. 1 MR = 0.9144 wgUvi

O. 1 MR = 36 BwÂ

P. 1 gvBj = 1.6 wK.wg

exR MwYZ

eM© Gi m~Îvejx t

1. ab =
2. 4ab=

)

1. )
2. ) =

Nb Gi m~Îvejx t

1. ()

wÎ‡KvbwgwZ

cÖ‡qvRbxq Z\_¨ejx t

* sin@ = √()
* cos@ = √()
* sec@ = √()
* tan@ = √()
* cosec@ = √()
* cot@ = √()

1. sin@ = 1/cosec@ 🡪 cosec@ = 1/sin@
2. cos@ = 1/sec@ 🡪 sec@ = 1/cos@
3. tan@ = 1/cot@ 🡪 cot@ = 1/tan@
4. tan@ = sine@/cos@ 🡪 cot@ = cos@/sin@

wÎ‡KvwgwZi aib t

**j¤^ PM Sin@ A**

**AwZf~R OP P**

**fzwg OM Cos@**

**AwZfzR OP**

**j¤^ PM Tan@**

**fzwg OM**

**fzwg OM Cot@ O M X**

**j¤^ PM N.B : Sin@ Gi gvb ÷ Cos@ Gi gvb =Tan@ Gi gvb**

**AwZf~R OP Sec@ †hgb : = 0, ÷**  **=**  **\*=**

**fzwg OM Cos@ Gi D‡ëv gvb n‡jv Sec@ Gi gvb**

**AwZfzR OP Cosec@ †hgb : =,**  **= √2**

**j¤^ OM**

wÎ‡KvbwgwZi †Uwej PvU© t

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **‡Kvb/wWwMÖ** | **0** | **30** | **45** | **60** | **90** |
| **sin** | **0** | **1/2** | **1/√2** | **2/√3** | **1** |
| **cos** | **1** | **√3/2** | **1/√2** | **1/2** | **0** |
| **tan** | **0** | **1/√3** | **1** | **√3** | **AmsÁvwqZ** |
| **cot** | **AmsÁvwqZ** | **√3** | **1** | **1/√3** | **0** |
| **sec** | **1** | **2/√3** | **√2** | **2** | **AmsÁvwqZ** |
| **cosec** | **AmsÁvwqZ** | **2** | **√2** | **2/√3** | **1** |

**msMÖ‡n t**

**Mvwje gvngy`**

**AvB. wU. wWcvU©‡g›U**

**Aveyj Lv‡qi MÖyc**