

tmE thv#mdm&-g

Abj vBb g#Wj tU÷-2020 mL³

tK#Y t 8g

wel q t MwYZ (e#vbe#Pbx Afx#v)

wel q tKw		
1	0	9

mgq — 30 wgwbu

cY#vb — 30

bvg tivj bs kvLv

[`be` : mieivnKZ e#vbe#Pbx Afx#v DEict# c#kie #ugK b#ti i vecit#Z c#E eY#v#j Z e#mgn nB#Z mwK/mte#K# DEiti i e#W ej ct#pU Kj g #riv m#uY#FivU Ki#Z nte| c#Zw c#kie gvb-1| c#k#c#t# t#kvb c#kvi `vM / #P#y#t# l qv hvte bv |]

- 1| 4 #tgi g#wRK etM# g#wRK msL'v KZ?
(K) 15 (L) 16
(M) 34 (N) 65
- 2| w#t#Pi t#kvbwU w#t#vbw# msL'vi c'vUvb#?
(K) 0, 2, 2, 4, 6 (L) 0, 1, 1, 3, 5
(M) 0, 1, 1, 2, 4 (N) 0, 1, 2, 3, 4
- 3| 3, 5, 8, 12, ----- Zwj Kvi cieZx#msL'v KZ?
(K) 17 (L) 16
(M) 15 (N) 14
- 4| 25% = KZ?
(K) $\frac{8}{36}$ (L) $\frac{22}{36}$
(M) $\frac{9}{36}$ (N) $\frac{5}{8}$
- 5| j v#fi t#t#t# t#kvbwU mwK?
(K) w#m#gj# > #m#gj#
(L) w#m#gj# < #m#gj#
(M) w#m#gj# = #m#gj#
(N) #m#gj# = w#m#gj# + j v#
- 6| t#kvb m#vU P#m#x# gj ab w#mv#ei t#t#t# c#hvR#?
(K) I = Pn (L) C = P(1+r)ⁿ
(M) I = P(1+r)ⁿ (N) C = P(1-r)ⁿ
- 7| mwK fvlvq tn#±v A_#
(K) 10 #Y
(L) 100 #Y
(M) 1000 #Y
(N) 10000 #Y
- 8| GK w#t#j wgvUvi = KZ gvBj ?
(K) 1.61 (L) 1.609
(M) 0.621 (N) 0.61
- 9| 1 Gqi mgvb-
i. 100 eM#Uvi
ii. 1 eM#WkwgvUvi
iii. 0.01 tn±i
w#t#Pi t#kvbwU mwK?
(K) i | ii (L) i | iii
(M) ii | iii (N) i, ii | iii

- 10| w#t#Pi Z#_i Av#j v#K 10 | 11 bs c#kie DEi `vl :
 $x - \frac{1}{x} = 4$
 $10 | \left(x + \frac{1}{x}\right)^2 = KZ?$
(K) $2\sqrt{5}$ (L) 14
(M) 18 (N) 20
- 11| $x^2 + \frac{1}{x^2}$ Gi gvb KZ?
(K) 12 (L) 14
(M) 18 (N) 20
- 12| $x = 7$ ntj , $x^3 + 6x^2 + 12x + 1$ Gi gvb w#Y#
Ki?
(K) 30 (L) -132
(M) 40 (N) 42
- 13| $a^2 + 2ab + b^2 = \sqrt[3]{125}$ ntj $(a + b) = KZ?$
(K) 5 (L) $\sqrt{5}$
(M) $\sqrt[3]{5}$ (N) $(\sqrt{5})^{\frac{1}{5}}$
- 14| $a + b = c$ ntj , $a^3 + b^3 + 3abc = KZ?$
(K) 0 (L) $3abc$
(M) c^3 (N) $9abc$
- 15| $a = \sqrt{3}$ ntj -
i. $a^3 = 3\sqrt{3}$
ii. $a + \frac{1}{a} = \frac{4}{\sqrt{3}}$
iii. $a^3 + \frac{1}{a^3} = \sqrt{3}$
w#t#Pi t#kvbwU mwK?
(K) i | ii (L) i | iii
(M) ii | iii (N) i, ii | iii
- 16| w#t#Pi Z#_i Av#j v#K 17 | 16 bs c#kie DEi `vl :
 $9x^2 - 1, 27x^3 - 1, 9x^2 + 3x + 1$

- 16 | 1g l 2q i wki M.mv. KZ?
 (K) $(1-3x)^2$ (L) 1
 (M) $1-3x$ (N) $3x-1$

- 17 | 2q l 3q i wki j.mv. KZ?
 (K) $1+3x+9x^2$
 (L) $(3x-1)(1+3x+9x^2)$
 (M) $3x-1$
 (N) $3x+1$

- 18 | i wki wZbwU i M.mv. KZ?
 (K) 1 (L) $3x-1$
 (M) $3x+2$ (N) $3x-3$

- 19 | exRMwYtZi mYvevj tZ-
 i. $x^3 - y^3 = (x-y)(x^2 + xy + y^2)$

ii. $ab = \left(\frac{a+b}{2}\right)^2 - \left(\frac{a-b}{2}\right)^2$

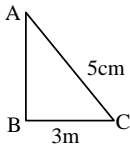
iii. $x^3 + y^3 = (x+y)^3 - 3xy(x+y)$

Dcti i Zt_ i Abjvqx tKvbiU mivK?

- (K) i l ii (L) i l iii
 (M) ii l iii (N) i, ii l iii

- 20 | $x+y=5$ Ges $x-y=3$ ntj, i) $x^2 - y^2$ Gi gvb KZ?
 (K) 15 (L) 16
 (M) 17 (N) 18

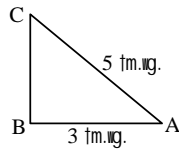
- 21 | mgtkvYx w fYRi tYtT,
 $3^2 + 4^2 = 9 + 16 = 25 = 5^2$



wPtT AB Gi gvb wPtT tKvbiU?

- (K) 2 tm.wg. (L) 3 tm.wg.
 (M) 4 tm.wg. (N) 8 tm.wg.

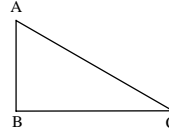
- 22 | cvtki wPtT-



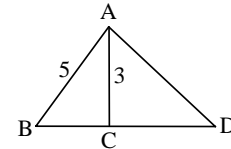
- i. BC Gi N°4 tm.wg.
 ii. $\triangle ABC$ Gi tYtT dj 12 eM°tm.wg.
 iii. $\angle BAC + \angle BCA = 90^\circ$
 wPtT tKvbiU mivK?
 (K) i l ii (L) i l iii
 (M) ii l iii (N) i, ii l iii

- 23 | AaeE' tKvtYi gvb KZ?
 (K) 180° (L) 120°

- (M) 100° (N) 90°



- 24 | Dcti i wPtT Abjvvti -
 i. $\angle BAC$ Gi ctK $\angle ACB$
 ii. AC enEg evU
 iii. $BC^2 = AB^2 + AC^2$
 wPtT tKvbiU mivK?
 (K) i l ii (L) i l iii
 (M) ii l iii (N) i, ii l iii
- ◆ wPtT Zt_ i Avtj vtK 25 l 26 bs cOkie DEi `vl :



GLvtb, $CD = 2AB$

- 25 | BC Gi N°KZ?
 (K) 34 (L) 16
 (M) 8 (N) 4

- 26 | $\triangle ACD$ Gi tYtT dj KZ?
 (K) 12 (L) 15
 (M) 21 (N) 24

- 27 | (56-60) tkYxe wBi ga gvb KZ?
 (K) 56 (L) 60
 (M) 59 (N) 58

- 28 | 21, 16, 12, 27, 18, 14 msL'v, tj vi ga K KZ?
 (K) 16 (L) 17
 (M) 18 (N) 34

◆ wPtT Zt_ i Avtj vtK 29 l 30 bs cOkie DEi `vl :

tkYxe wB	51-60	61-70	71-80	81-90
MYmsL'v	5	16	13	6

- 29 | wZxq tkYxi ga gvb KZ?
 (K) 55.5 (L) 65.5
 (M) 75.5 (N) 85.5

ga gvb = $\frac{55+90}{2} = 65.5$

- 30 | cPi K tkYx tKvbiU?
 (K) 51-60
 (L) 61-70
 (M) 71-80
 (N) 81-90

tmĒ thv#mdm&~g

Abj vBb g#Wj tU÷-2020 mL⁹

tK#Y t 8g

wel q t Bmj vg l ^bwZK wk#v (e#ube#Pbx Af#v#v)

wel q tKw		
1	1	1

mgq — 30 wgwBU

cY#vb — 30

bug tivj bs kvLv

[`be` : mieivnKZ e#ube#Pbx Af#v#v DEict# c#kie #ugK b#ti i vecit#Z c#E eY#v#j Z e#mgn nB#Z m#Wk/m#e#K# DEiti e#U ej ct#qU Kj g #riv m#u#Y#FivU Ki#Z n#e| c#ZU c#kie g#b-1| c#k#c#t# t#Kv c#Kvi `vM / #P#y# # l qv hv#e bv |]

1| Bgv#bi tg#vj K wel q Kq#U?

- (K) #ZbwU
- (L) cu#P#U
- (M) mvZwU
- (N) AvUwU

2| #P#W Gi Av#ie c#Zk# Kx?

- (K) #KZve (L) m#ndv
- (M) #i mvj vZ (N) Anx

3| LZ#g be#Z A_#Kx?

- (K) b#eM#Yi t#l
- (L) be#Zi mgw#B
- (M) me#kl b#e
- (N) `wq#Z#i mgw#B

4| me#k#b Rvbw#Z t#KvbwU?

- (K) Rvbw#Zj Av`b
- (L) Rvbw#Zj gvl qv
- (M) Rvbw#Zj wdi `vDm
- (N) `vi`m mvj vg

5| #AveZ# `#bi Av#ie c#Zk#-

- (K) n#ki (L) wghvb
- (M) Rvnbw#g (N) Rvbw#Z

6| c#KZ g#gb nevi Rb` Kq#U wel q Ri`ix?

- (K) 3#U
- (L) 4#U
- (M) 5#U
- (N) 6#U

7| gvbeRw#Zi g#vb wk#v#K Kvi#?

- (K) Avj # Zvq#j v
- (L) nhi Z g#v#s` (m.)
- (M) t#t#kZvMY
- (N) b#e-i mvj MY

8| w#P#i t#KvbwU Rvnbw#gi bug?

- (K) `vi`j gvKvg
- (L) mvKvi
- (M) `vi`j Kvi vi
- (N) `vi`j Lj`

9| evi hvL nt#j v-

i. Ke#i i R#e#

- ii. wKqvgZ cieZ#R#e#
- iii. Av#Li#Zi c#g ch#q
- w#P#i t#KvbwU m#Wk#?

- (K) i l ii (L) i l iii
- (M) ii l iii (N) i, ii l iii

10| #nR# kt#i A_#Kx?

- (K) msK# Kiv
- (L) whqvi Z Kiv
- (M) Zvl qvd Kiv
- (N) mvC Kiv

11| n#Ri diR Kq#U?

- (K) #Zb (L) Pvi
- (M) cu#P (N) Oq

12| t#KvbwU hvKv#Zi g#vwi#di A#F# bq?

- (K) wgmwKb n#l qv
- (L) FYM#-n#l qv
- (M) AfveM#-n#l qv
- (N) wba#i Z m#u#` i g#wj K

13| t#t#q# i ct#v# Aw#K#vi Rb` Kq#U ci` R#en Ki#Z nq?

- (K) GK#U
- (L) `B#U
- (M) #ZbwU
- (N) Pvi #U

14| mv#M#K we#e#Pbv# hvKvZ A_#Kx?

- (K) cu#e#Zv
- (L) cwi`Qb#Zv
- (M) e#x
- (N) e`q

15| w#P#i t#Kv e`en#v#Rv#t#mi hvKvZ w`#Z n#e#?

- (K) tmv#v (L) Zvgv
- (M) Kumv (N) w#Zj

16| B`M#gi ni d Kq#U?

- (K) `B (L) Pvi
- (M) Oq (N) ct#bt#v

- 17 | cvc I A%wZK KvRi Rb` aYsm Kiv ntqQj -
 i. Av` RvwZtK
 ii. nvgj RvwZtK
 iii. ewb BmivBj tK
 wbtpi tKvbwU mwVK?
 (K) i I ii (L) ii I iii
 (M) i I iii (N) i, ii I iii
- 18 | mi+v Avj -whj hvj cweI Avj -Ki Avtbi KZZg mi+v?
 (K) 99
 (L) 100
 (M) 101
 (N) 102
- 19 | Bqvgtbi ev` kvn Aveivni aYstmi gj KviY Kx?
 (K) wmsmv
 (L) AnsKvi
 (M) NYv
 (N) MxeZ
- 20 | AvqvZj Ki mxZ ej v ntqtQ-
 (K) K`ti i dWRj
 (L) Aveivni cwi YwZ
 (M) Avj wai cwi Pq I qgZv
 (N) Ki vBkt` i cWZ wbcvgZ
- 21 | OKi wmo ktai A_©
 (K) mgvR
 (L) gnEj
 (M) wmsnmb
 (N) cwi cY©
- 22 | Avj wai cwi evi Kvi v?
 (K) tdtkZvMY
 (L) bwe-ivmj MY
 (M) Avtj gMY
 (N) mgM0mwp
- 23 | bwhiv wZj vl qvZ tKvbwU?
 (K) bvgvth wZj lqvZ Kiv
 (L) mj Kti wZj lqvZ Kiv
 (M) t`tL t`tL wZj lqvZ Kiv
 (N) gt`-wZj lqvZ Kiv
- 24 | avZZtK KqfvM fvM Kiv nq?
 (K) `B (L) wZb
 (M) cuP (N) mvZ

- 25 | kqZvtbi `enkó` tKvbwU?
 (K) NYv
 (L) Pwi
 (M) Ny
 (N) wek;Lj v
- 26 | AnsKvi ktai A_©Kx?
 (K) Af`Zv
 (L) ClP
 (M) AnvgKv
 (N) RNb`Zv
- 27 | AnsKvi cKvk cvq Kqfvte?
 (K) 1 fvte
 (L) 2 fvte
 (M) 3 fvte
 (N) 4 fvte
- 28 | Pwi i Kdzj ntj v-
 (K) ab ewx
 (L) mpvg ARB
 (M) wbi vcE`v t` lqv
 (N) wbi vcE`vxbZv
- ◇ wtpi Di xcKuU cto 29 I 30 bs cKkE DEi `vl :
 ivRx Di xb mvte AtbK m=UwEi gwj K| kvixi K
 fvteI wZwb my`l wKs` wZwb nR cvj tb Abxrv cKvk
 Ki tQb|
- 29 | ntRi e`vcvti ivRx Di xb mvtetei gvbwKZv Kxtmi
 kwgj ?
 (K) wki tKi
 (L) Kdti i
 (M) wbdvtKi
 (N) wdm tKi
- 30 | nR cvj b bv Ki tj wZwb ewAZ nteb-
 i. wekjavZZ; cWZovq mnvqZv Kiv t_tK
 ii. di R cvj tbi mthvM t_tK
 iii. m=U` ARfb i mthvM t_tK
 wbtpi tKvbwU mwVK?
 (K) i I ii (L) i I iii
 (M) ii I iii (N) i, ii I iii

tmĒ thv†m d m & - ğ

Abj vBb ğ†Wj tU ÷ -2020 mL¹

t k ĩ Y t 8 ğ

wel q t wn>` ğag[©] ĩ b w Z K w k ĩ v (eũ b e P b x A f x ĩ v)

wel q t k w		
1	1	2

mgq — 30 w ğ w b U

c Y ğ v b — 30

bvg tivj bs kvLv

[`be` : mieivnKZ eũ b e P b x A f x ĩ v DĒi c t ĩ c ĩ k ĩ e m ğ g k b a t i i w e c i t Z c ĩ Ē e y ĩ n ğ Z e Ē m ğ n b t Z m w k / m t e P k ĩ DĒi i e Ē u e j c t q u K j ğ Ø r i v m a u y ĩ v i w K i t Z n t e | c ĩ Z u c ĩ k ĩ e ğ b - 1 | c ĩ k a c t ĩ t k v b c k v i ` w / w p y t ĩ q v h t e b v |]

- 1| Kv†j v i†Ńi dĵ c ĩ q v R b n q t k v b c R v q ?
(K) b e v q b c R v q
(L) k v b c R v q
(M) ğ b m v c R v q
(N) ` M P c R v q
- 2| Kv Z e x h P b i Kv†Q i v e†Y i ğ ĩ P v q t K ?
(K) w e ` j v (L) i v ğ
(M) i v m ğ w y (N) c j ` - ğ v b
- ◆ w b†P i D ĩ x c k u u c t o 3 l 4 b s c ĩ k ĩ e D Ē i ` v l :
w ĩ t b k t e† ĩ G k u u L Ū A b k x j t b i ğ v a† ğ R w ğ w Z m a u t k ĩ ğ ĩ o Ā v b A R b K t i |
- 3| w ĩ t b k t e† ĩ t k v b L Ū A b k x j b K t i b ?
(K) h R ĩ e (L) m v ğ t e `
(M) A e ĩ e ` (N) F M ĩ e `
- 4| t e† ĩ D ĩ L Ū A b k x j t b i ğ v a† ğ -
i. F Z m a u u k Z Ā v b v R b m a e
ii. t e x w ğ ğ b m a u u k Z Ā v b v R b m a e
iii. m s M x Z m a u u k Z Ā v b v R b m a e
w b†P i t k v b u m w k ?
(K) i l ii (L) ii l iii
(M) i l iii (N) i, ii l iii
- 5| h u i v m k j w e l q e v m b v c w i Z v m K t i w b i v k v i e p v† k D c v m b v K t i b Z v† k e t j -
(K) Ā v b x (L) ĩ Y x
(M) m v a k (N) m b w m x
- 6| K Z L i o v† Ā w e t e K v b ` A v† ğ w i K v h v b ?
(K) 1891 (L) 1892
(M) 1893 (N) 1894
- 7| w n > ` ğ a ğ A b ğ m† i t k v b t e z v c i ğ e p, c i ğ v Z ĩ l c i t ğ k ĩ b v† ğ c w i w P Z ?
(K) b i v q y (L) w k e
(M) ğ b m v (N) k v b
- 8| w b l v ` e s† k R b w ĩ Y K t i b G k e x i e j k | e j k u u i b v ğ K x ?
(K) c ĩ ĩ v (L) G k j e ĩ
(M) w e† i v P b (N) c i x w ĩ Z

- 9| A v i Y k K x ?
(K) e† b i m ğ w o
(L) A v a w z k Ā v† b i w e l q
(M) A i† y ĩ t k l
(N) w k ĩ v Ā v† b i w e l q
- 10| t k v b t R j v q k ĩ n w i P u ` V v k ĩ R b w ĩ Y K t i b ?
(K) d w i ` c j (L) ğ v ĩ x c j
(M) t m v c j m Ā (N) b o v B j
- ◆ w b†P i D ĩ x c k u u c t o 11 l 12 b s c ĩ k ĩ e D Ē i ` v l :
A w e† i i e v e v c R v i K Z ĩ t j v D c k i y w k t b A v† b b |
G i ğ t a G k u u D c k i y m a u t k ĩ A w e i R v b† Z P v q |
e v e v e t j b, D c k i y u u C k† i i G k u u k w ĩ c ĩ z x k w n t m t e K v R K t i | Z v O v o n D c k i y u u J l w a y m a u b ğ
- 11| A w e i t k v b D c k i y m a u t k ĩ R v b† Z t P t q u Q j ?
(K) P ` b (L) K c P
(M) n j ĩ (N) c v b - m ğ c w i
- 12| D ĩ x c t k e w y Z D c k i y u u i ğ v a† ğ -
i. m y ĩ ğ t b i A w a k v i x n l q v h v q
ii. ğ b† k A v k w l Z K i v h v q
iii. ğ b† k C k ĩ ğ l x K i v h v q
w b†P i t k v b u m w k ?
(K) i l ii (L) i l iii
(M) ii l iii (N) i, ii l iii
- 13| w n > ` ğ a ğ ĩ c ĩ v b D c w b l† ĩ m s L v K Z ?
(K) 8 (L) 10
(M) 12 (N) 14
- 14| h Ā† k t k ` ĩ K t i m ĩ o D i† v† Q -
i. e l e w Ā m a u u k Z a v i Y v
ii. A v a ğ e ĩ w P u k r m v c x w Z
iii. F Z m a u u k Z a v i Y v
w b†P i t k v b u m w k ?
(K) i l ii (L) i l iii
(M) ii l iii (N) i, ii l iii
- 15| G k v† j t k t k t c ĩ ğ i c w i P q w ĩ t q† Q b ?
(K) K v Z e x h P b (L) e v N v h Z x b
(M) w e ` j v (N) R b v

- 1 | Ckĭĭ tK Avgiv Kxfvte k³v l f³ Kvi?
 (K) wbi vKvi (L) eþ
 (M) fMevb (N) meR³gvb
- 2 | MxZvq Kg³K Kx ej v ntqtQ?
 (K) hÁ (L) KvR
 (M) mvabv (N) `wqZj
- 3 | wKtmi MÜ cweĭ cwi teĭki m³o Kĭi?
 (K) Kc³ (L) aeKwW
 (M) P³ b (N) ae
- 4 | `ŕgx weteKvb³ Ávbj vf Kĭi b-
 i. MwYtZ
 ii. `k³b
 iii. AvBtb
 wbtPi tKvbWU mWVK?
 (K) i l ii (L) i l iii
 (M) ii l iii (N) i, ii l iii
- 5 | ŐA_@w/zi mŐ tKvb tet` i cŐPxb bvg?
 (K) FMteĭ` i
 (L) mvgteĭ` i
 (M) A_e³teĭ` i
 (N) hR³te³ i
- 6 | %mKZ Rxeĭbi S³uk wbtq 1971 mvtj i g³hyk
 AskMŏY Kĭi b | Zvi G KvRwJ-
 i. mrmvnm
 ii. t` k³ctĭj
 iii. gvbeZv
 wbtPi tKvbWU mWVK?
 (K) i l ii (L) i l iii
 (M) ii l iii (N) i, ii l iii
- 7 | kwb cRvq t` ŕei t³fM wntmte wte` b KĭtZ nq-
 i. cuP cKvĭi i FZ³r³v³E³K dj
 ii. cuP cKvĭi i w³uŏ
 iii. cuP i Kĭgi dj
 wbtPi tKvbWU mWVK?
 (K) i l ii (L) i l iii
 (M) ii l iii (N) i, ii l iii
- 8 | Őtej p gvŐ tKv_vq Aew`Z?
 (K) tKvj KvZvq (L) XvKvq
 (M) I ovK³ ĭZ (N) cj x³Z
- ◆ wbtPi DĭxcKwU cto 24 l 25 bs cŐk³ DEĭ `vl :
 g³ t` Lj KĭqKwU `p tŐtj Avb³ ekZt GKwU
 KKĭi i ev³P³t³K AvNvZ KĭtQ | KKĭi i ev³P³wU i Lp
 Lvvc Ae³v | tm `p³ tŐtj , t³j v³tK Zvotq w` j Ges
 ev³P³wU t³K ewot³Z wbtq tmiv KĭtZ j vMj |
- 9 | g³»i gta³ KvR KĭtŐQ-
 i. Awmsmv

- ii. b³vqwePvi
 iii. mrm³/₂
 wbtPi tKvbWU mWVK?
 (K) i (L) ii
 (M) ii l iii (N) i, ii l iii
- 10 | D³ KvĭRi gta³ g³»i ct³ĭ Kx m³e?
 i. cY³vR³
 ii. fv³tj vevmv j vf
 iii. `M³vf
 wbtPi tKvbWU mWVK?
 (K) i l ii (L) i l iii
 (M) ii l iii (N) i, ii l iii
- 11 | tKvb t` ex t³fv³i i m³h³ Avtj vi gtZv jvj i tŐi
 Kvcŏ cwi avb Kĭi b?
 (K) gbm³ t` ex
 (L) `M³ t` ex
 (M) mi `Zx t` ex
 (N) Elv t` ex
- 12 | gZqv m³cŐ vtqi gj tK³ `³tKv_vq?
 (K) I ovK³ ĭZ
 (L) beŐxtc
 (M) mvclwj Wv³vq
 (N) P³EM³t³g
- 13 | Őckĭi ci gvZ³ ĭ³fcŐ Kvi `wŏtZ?
 (K) Ávbx
 (L) thvMx
 (M) f³
 (N) Fw
- 14 | cRvi DcKiY Kĭtmi g³ĭLi tLjv Ask tKvbWU tK
 wbt` R Kĭi?
 (K) cw_ext³K
 (L) AwM³teK
 (M) evq³tK
 (N) Rj tK
- 15 | msinZv , t³j v³tK GKĭĭ Kx ej v hvq?
 (K) msinZvevj
 (L) Dcwb l `
 (M) Ph³ĭc`
 (N) PZ³te³

tmE thv#mdm&-g

Abj vBb g#Wj tU÷-2020 wL.ª

t#k#Y t 8g

wel q t weÁvb (eûwbeP#bx Afx#lv)

wel q tKwW		
1	2	7

mgq — 30 wgwbu

cYgvb — 30

bvg tijv bs kvLv

[`be" : mieivnKZ eûwbeP#bx Afx#lv DÊi c#t c#k#e µwgk b#t#i veci#Z c#E eY#m#j Z eE#mgn nB#Z m#Wk/m#e#K#ó DÊti i eE#W ej c#t#U Kj g Øviv m#úY#FivU Ki#Z n#e| c#Z#W c#k#e gvb-1| c#k#e#t#t t#Kvb c#Kvi `w / #P#y # # l qv h#te bv |]

- 1| tKvb c#e# c#Yxi t`nc#Pxi AmsL" #Q`h#?
 - (K) cwi #div (L) w#Vwvi qv
 - (M) tbg#tUwVv (N) Av#_#cvWv
 - 2| cwlLiv DotZ c#ti Kvi Y-
 - i. evq#_#j Av#Q
 - ii. mvg#tbi cv Wvbq i f#v#i Z nq
 - iii. nvo k³ l d#vcv

wb#Pi tKvb#U m#Wk?

 - (K) i | ii (L) i | iii
 - (M) ii | iii (N) i, ii | iii
 - 3| t`n Mn#i AbveZ l c#KZ w#t#j vg t#B tKvb c#Yxi?
 - (K) d#vB#j wi qv K#ug (L) w#Zv K#ug
 - (M) hKZ K#ug (N) tK#Pv
 - 4| wb#Pi tKvb#U gvQ?
 - (K) #P#w (L) Zvi v gvQ
 - (M) tR#j wdk (N) B#j k gvQ
- ♦ wb#Pi D#xc#K#U c#to 5 l 6 bs c#k#e DÊi `vl :
- 5| wng#t#i ewoi cv#ki Lv#j Zvi P#P#v Rvj w`#q gvQ aivQ#t#j b| G#Kevi Rvj Uvbi c#ti R#t#j tek K#t#qK#U cve`v gvQ, wksqvQ, `K gvQ D#t#v| gvQ#_t#j vi m#t#_m#t#_G#K#U mvc Ges e#v#O l D#t#v|
 - 6| iwn#t#i P#P#vi R#t#j th m#K#j t#k#Y#i c#Y#x aiv c#to tm#_t#j v n#t#j v-
 - i. mixm#
 - ii. Kb#w#K#_m
 - iii. Am#U#K#_m

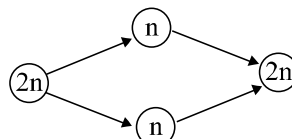
wb#Pi tKvb#U m#Wk?

 - (K) i | ii (L) i | iii
 - (M) ii | iii (N) i, ii | iii
 - 7| wRbZ#E#j R#k t#K?
 - (K) A`w#i ÷Uj (L) R#b t#i
 - (M) K`v#i#j v#m w#j w#bqv#m (N) t#M#i tR#v#v t#t#j#Uj

- 8| wb#Pi tKvb R#t#i g#t# A`vgvBUwmm c#x#Z#Z tKvl wefvRb N#t#U?
 - (K) gv#j (L) nvB#w
 - (M) A`w#gev (N) evbi
 - 9| gvB#t#Uwmm#i e#k#ó` nj -
 - i. w#D#wK#q#m G#Kevi wefvwRZ nq
 - ii. gvZ#K#vl l AcZ" tK#v#l t#µ#t#gv#t#R#vg m#L`v m#gvb nq
 - iii. w#D#wK#q#m W#t#j# Av#K#i av#Y K#ti

wb#Pi tKvb#U m#Wk?

 - (K) i | ii (L) i | iii
 - (M) ii | iii (N) i, ii | iii
- ♦ wb#Pi Z#_#i Av#t#j v#t#K 10 l 11 bs c#k#e DÊi `vl :



- 10| D#xc#t#Ki wefvR#U tKvb aiv#i?
 - (K) gvB#t#Uwmm (L) w#t#qv#wmm
 - (M) A`vgvB#t#Uwmm (N) w#-wefvRb
- 11| D#xc#t#Ki w#P#U#i t#t#t#t#-
 - i. G#U gvZ#Rbb tK#v#l N#t#U
 - ii. G#Z w#D#wK#q#m `#B#i wefvwRZ nq
 - iii. G#Z t#µ#t#gv#t#R#t#gi m#L`v m#gvb #_v#K

wb#Pi tKvb#U m#Wk?

 - (K) i | ii (L) i | iii
 - (M) ii | iii (N) i, ii | iii
- 12| gvZv w#Z#vi `e#k#ó` th c#µ#q#vq m#š#w m#š#wZ#Z m#Á#wi Z nq Z#t#K K#x e#t#j?
 - (K) we#Z# (L) esk#M#Z
 - (M) eskci#ú#iv (N) w#D#t#U#k#b
- 13| tm#w#q#v#g ci#gv#Y#i c#U#g K#t#t#_ K#Z#U B#t#j K#U#b #_v#t#K?
 - (K) `#w#U (L) Av#U#U
 - (M) Av#v#i w#U (N) ew#t# k#U

- 14 | $ci_{gr}Yj$ $abvZK$ $KwYKvi$ bvg Kx ?
 (K) Btj KUb (L) $tcUub$
 (M) $wbDUb$ (N) $cwRUb$
- 15 | Aw $\dagger R\ddot{t}bi$ $cvigrYweK$ msL^v 8 $n\ddot{t}j$ -
i. Aw $\dagger R\ddot{t}bi$ $tcUub$ msL^v 8
ii. $2q$ kW^3 $\ddot{t}i$ $6wU$ Btj KUb $Av\ddot{t}Q$
iii. fi msL^v 8
 $wb\ddot{t}Pi$ $\dagger KvbwU$ $mwVK$?
 (K) *i* | *ii* (L) *i* | *iii*
 (M) *ii* | *iii* (N) *i, ii* | *iii*
- 16 | ${}^{16}_8O^{2-}$ Gi $wbDU\ddot{t}bi$ msL^v KZ ?
 (K) 16 (L) 10
 (M) 8 (N) 6
- 17 | $\dagger Kvb$ $AvB\ddot{t}mv\ddot{t}UvcwU$ $wPwKrmv$ | KwU $Df\ddot{q}$ $\dagger \ddot{q}\ddot{t}B$
 $e^{\ddot{e}uZ}$ nq ?
 (K) ${}^{32}P$ (L) ${}^{131}I$
 (M) ${}^{60}Co$ (N) ${}^{236}Ra$
- 18 | $A^{\ddot{v}t}gw\bqvg$ $dm\ddot{t}dU$ $\dagger hS\ddot{M}U\ddot{t}Z$ $tg\ddot{v}U$ $Kq\ddot{w}U$ $ci_{gr}Yj$
 $Av\ddot{t}Q$?
 (K) 10 (L) 18
 (M) 20 (N) 22
- 19 | Al^{3+} ej $\ddot{t}Z$ $tevSvq$?
i. $G\ddot{t}Z$ $13wU$ $tcUub$ $Av\ddot{t}Q$
ii. $G\ddot{t}Z$ $10wU$ Btj KUb $Av\ddot{t}Q$
iii. GiU $Avavb$ wbi $\ddot{t}c\ddot{q}$
 $wb\ddot{t}Pi$ $\dagger KvbwU$ $mwVK$?
 (K) *i* | *ii* (L) *ii* | *iii*
 (M) *i* | *iii* (N) *i, ii* | *iii*
- 20 | $10kg$ $f\ddot{t}i$ | $\dagger Kv\ddot{t}bv$ e^{-i} | Rb $f\ddot{c}\ddot{t}o$ KZ ?
 (K) 19.8 $wbDUb$ (L) 49 $wbDUb$
 (M) 98 $wbDUb$ (N) 196 $wbDUb$
- 21 | f - $c\ddot{t}o$ g Gi Av^k $g\ddot{v}b$ $wb\ddot{t}Pi$ $\dagger KvbwU$?
 (K) 9.8 $wg./tm.^2$
 (L) 9.83 $wg./tm.^2$
 (M) 9.78 $wg./tm.^2$
 (N) 9.77 $wg./tm.^2$
- 22 | $AwfKI$ R Zj $\ddot{t}Yi$ gvb -
i. cw_exi $\dagger K\ddot{t}$ $\ddot{t}^akb^{\ddot{t}}$
ii. tgi $AA\ddot{t}j$ 9.8 $wgUvi$ $/tm\ddot{t}KU^2$
iii. f - $c\ddot{t}o$ 9.8 $wgUvi$ $/tm\ddot{t}KU^2$
 $wb\ddot{t}Pi$ $\dagger KvbwU$ $mwVK$?
 (K) *i* | *ii* (L) *i* | *iii*
 (M) *ii* | *iii* (N) *i, ii* | *iii*
- 23 | $wb\ddot{v}$ \ddot{t} $f\ddot{t}i$ $\ddot{t}wU$ e^{-i} $ga^eZx^{\ddot{t}}$ $\ddot{t}Zi$ $w\ddot{t}Y$ Kiv $n\ddot{t}j$
 etj | Kx cwi $eZ\ddot{t}$ $n\ddot{t}e$?

- (K) Pvi Y
 (L) $A\ddot{t}a\ddot{t}$
 (M) GK $PZ\ddot{t}$ $\ddot{t}sk$
 (N) GK $ZZxqvsK$
- 24 | cw_extZ $c\ddot{t}o$ $100kg$ $f\ddot{t}i$ | e^{-i} | Rb KZ ?
 (K) 9.8 N (L) 980 N
 (M) 98 N (N) 9800 N
- 25 | wj dU hLb $mg\ddot{t}e\ddot{t}M$ $Dc\ddot{t}i$ $D\ddot{t}v$ -
i. Zj Y $e\ddot{w}x$ cvq
ii. Zj Y $\ddot{v}\ddot{t}K$ bv
iii. $AwZwi^3$ ej $Ab\ddot{t}fe$ Kwi bv
 $wb\ddot{t}Pi$ $\dagger KvbwU$ $mwVK$?
 (K) *i* | *ii* (L) *i* | *iii*
 (M) *ii* | *iii* (N) *i, ii* | *iii*
- 26 | cw_exi wbR $A\ddot{t}\ddot{q}i$ $Pviw$ $\ddot{t}K$ $GKevi$ $c\ddot{t}w\ddot{q}Y$ $Ki\ddot{t}Z$
 KZ mgq j $v\ddot{t}M$?
 (K) 24 $NwUv$ (L) 36 $NwUv$
 (M) 360 $NwUv$ (N) 365 $NwUv$
- 27 | $gnw\ddot{e}k$ | MwZ -
i. cw_ex *ii.* $ag\ddot{t}KZi$
iii. $\ddot{q}i$ $\ddot{t}^akvkv\ddot{v}Ko$ $wb\ddot{t}q$
 $wb\ddot{t}Pi$ $\dagger KvbwU$ $mwVK$?
 (K) *i* | *ii* (L) *ii* | *iii*
 (M) *i* | *iii* (N) *i, ii* | *iii*
- 28 | meR $M\ddot{h}$ ej v nq $Kv\ddot{t}K$?
 (K) $\ddot{t}bcPb\ddot{t}K$ (L) $e\ddot{p}\ddot{t}K$
 (M) $ep^{\ddot{t}}$ $uwZ\ddot{t}K$ (N) $BD\ddot{t}i$ $bvm\ddot{t}K$
- ◇ $wb\ddot{t}Pi$ $D\ddot{t}xcKwU$ $c\ddot{t}o$ 29 | 30 bs $c\ddot{t}k\ddot{t}$ $D\ddot{t}i$ $\ddot{t}vl$:
 $\ddot{t}m\ddot{t}Si$ kW^3 \rightarrow $Drcv^k$ \rightarrow \boxed{X} \rightarrow $gvsmvkx$ \rightarrow Y
- 29 | $c\ddot{t}evn$ $wP\ddot{t}T$ | X $\ddot{t}v\ddot{t}bi$ $RxwU$ Kx ?
 (K) $gvby$ (L) nwi Y
 (M) $\ddot{t}kevj$ (N) evN
- 30 | Y Gi $\dagger \ddot{q}\ddot{t}T$ ej v hvq -
i. Giv $ci\ddot{t}fvRx$ *ii.* Giv $gZR\ddot{t}ex$
iii. Giv $\ddot{t}ayc\ddot{t}Y\ddot{t}$ $\ddot{t}ni$ Dci KvR $K\ddot{t}i$
 $wb\ddot{t}Pi$ $\dagger KvbwU$ $mwVK$?
 (K) *i* | *ii* (L) *i* | *iii*
 (M) *ii* | *iii* (N) *i, ii* | *iii*

tmĒ thv†m d m & - ğ

Abj vBb ğ†Wj tU ÷ -2020 mL¹

t k ĩ Y t 8 ğ

wel q t evsj v† k l wek†wi Pq (eũwbe†Pbx Af†v)

wel q t k w		
1	5	0

mgq — 30 wġwbu

cYġvb — 30

bvg tivj bs kvLv

[`be` : mieivnKZ eũwbe†Pbx Af†v DEi c†Ī c†kie μwġK b†ti i wecix†Z c†Ī ē eY†mġ Z eĒmġn b†Z mWk/m†e†Kó DE†i i eĒw ej c†qU Kġ ğ Øriv m†úY†FivU Ki†Z n†e| c†Zw c†kie ġvb-1| c†k†Ī t†Kvb c†Kvi `w / wPý † l qv h†e bv |]

- 1| MwQcvj v c†Y†Ī i KvQ t_†K Kx cvq?
(K) bvB†U†Rb (L) Aw †Rb
(M) Kve†-WvB-A- vBW (N) Lv
- 2| mġ ġ Lv†Ī i Afve wKf†e c†Y n†Q?
(K) mġ^a m†ú† i ġva†ġ
(L) ġrm m†ú† i ġva†ġ
(M) c†wYR m†ú† i ġva†ġ
(N) ebR m†ú† i ġva†ġ
- 3| ġnvb ġw³h†x Øμ v†K c†w†b† b†ġ cwi wPZ wQj t†KvbwU?
(K) XvKvi t†Mwi j v `j
(L) ġwbKM†ĪAi n†wġ ġ ewnbx
(M) ġv_ivi AvKei ewnbx
(N) wmi vRM†ĪAi j wZd wġR†ewnbx
- 4| 1576 m†ġ tġwMj † i AwKv†i Av†m-
i. ce†evsj v
ii. c†w†ġ evsj v
iii. DE†i evsj vi GKvsk
wb†Pi t†KvbwU mWk?
(K) i l ii (L) i l iii
(M) ii l iii (N) i, ii l iii
- 5| t†Kvb tġwMj m†e`vi ev†iv f†Bqv† i ciw†RZ K†i XvKv
AwKvi K†ib?
(K) m†ev`vi kv†q`v Lvb
(L) m†ev`vi Bmġ vġ Lvb
(M) m†ev`vi ġxi Rġġ v
(N) m†ev`vi ġġbġ Lvb
- 6| we†wK we†i vax Av†Ī vġ †bi w†wĒ-
i. e½F½ Av†Ī vġ b
ii. eqKU Av†Ī vġ b
iii. `† wK Av†Ī vġ b
wb†Pi t†KvbwU mWk?
(K) i l ii (L) i l iii
(M) ii l iii (N) i, ii l iii
- 7| wb†Pi t†KvbwU mWk?
(K) β → tġSh↔ → tmb → cvj
(L) tġSh↔ → β → tmb → cvj
(M) tġSh↔ → β → cvj → tmb
(N) β → tġSh↔ → cvj → tmb
- 8| Kġ KvZv ġv†m v c†Z†v i D†Ī k` wQj -
i. B†ti wR f†v v c†ġ b Kiv
ii. ġmġ ġvb† i m†šb Kiv
iii. Ab†MZ t†kĪY `Zwi Kiv
wb†Pi t†KvbwU mWk?
(K) i l ii (L) i l iii

- (M) ii l iii (N) i, ii l iii
- 9| GK QwU i w†b t†m†ġj Zvi evevi m†ġ_ t†m†ivl qv`x[©]
D`v†b w†ġq†wQj ØmKlv wPi šb†Ī t†L†Z| ġw³h†x i mgq
l B D`v†bi bvg wK wQj ?
(K) Pw`ġv D`vb (L) Avġ ewMvb
(M) ti m†Kvm†ġġ`vb (N) i ġbv cvK[©]
- 10| ms`wZi BwZevPK cwi eZ† Kx†v†e N†U?
(K) c†w³MZ cwi eZ†bi ġva†ġ
(L) AvPi†Yi cwi eZ† n†ġ
(M) Lv`v†v†mi cwi eZ† n†ġ
(N) tcvkv†Ki cwi eZ† Av†ġj
- ◆ wb†Pi D†xcKwU c†o 11 l 12 bs c†kie DE†i `vl :
B†ti R kvmbvġġj i we†f†be c†Z†m†ú` wb†ġ M†el Yv
K†ib c†Z†ĪE†j Qv†x cv†wġZv cvj | wZwb Rvb†Z
cv†ib Kġ†Uj v ġm†R` , j†b†evRvi ġm†R` ,
te†vi v†m† D†w ġm†R` GB h†Mi `Zwi c†Z†m†ú` |
XvKvi ev†v`j kv† cvK† Gi GKwU Ask|
- 11| D†x†K ew†Z c†ġ ġm†R† i Ae`vb wb†Pi t†Kvb
`v†b?
(K) j vġ evM (L) Kv†qZUwġ
(M) m†v†cġ (N) nvRvi xevM
- 12| ev†v`j kv† cv†K† b†ġi m†ġ_ m†úU[©] L†R cvl qv
hvq-
i. Av†UvNi ġġ`vb
ii. w††w†i qv cvK[©]
iii. i ġbv cvK[©]
wb†Pi t†KvbwU mWk?
(K) i l ii (L) ii l iii
(M) i l iii (N) i, ii l iii
- 13| m†kv††bi w†q†ġK_†ġ v n†ġ v-
i. `†QZv l Re†ev w†Zv
ii. A_†wZK mġx AR†
iii. Av††bi kvmb c†Z†v
wb†Pi t†KvbwU mWk?
(K) i l iii (L) ii
(M) iii (N) i, ii l iii
- 14| AY† t†kĪY††† Zvi w††††K†i w†KU t_†K b†i`^a
bv†v†Y AvM† c†Kv† K†i | wZwb t†Kv_vKvi R†wġ vi
w†ġ b?
(K) bv†Uv†i (L) ġġ³vMvQvi
(M) ej avi (N) ZvR†v†Ui
- 15| iv†††Kvb ai†bi c†Z†v?
(K) m†vġw†RK (L) ġġx†
(M) iv††w†ZK (N) A_†wZK

- 16 | tiwWI, UPvBU I Avj Mv Pj v tRvMvo Kti ivLZ nte-
i. AwMkU tgvKwej v Kivi Rb"
ii. eb v tgvKwej v Kivi Rb"
iii. NwYSO tgvKutej v
 wbtPi tKvbwU mwVK?
 (K) i l ii (L) i l iii
 (M) ii l iii (N) i, ii l iii
- 17 | WKtgUwvi wdj f`Zwi tKvb aitbi KvhPug?
 (K) ckkTY KvhPug
 (L) mtPZbZv KvhPug
 (M) agxq tbZvt` i D0xKiY KvhPug
 (N) KwgDvbwU wfwEK cwi evi cwi Ki bv KvhPug
- 18 | temiKwii ms`v,tjvi cwi Ki bv KvhPug f` tmev,
 wUKv`vb l cwi evi c`wZ m`utK®RbMYtK ckkTYZ
 Kti tQ GuU Zvt` i tKvb aitbi KvhPug?
 (K) mtPZbZv KvhPug (L) ckkTY KvhPug
 (M) wUKv`vb KvhPug (N) c`wZ melqK KvhPug
- ◆ wbtPi Di xcKuU cto 19 l 20 bs c0ka DEi`vl :
 c0Zg evevi mvt` wmtjtUi GKU wki Kvi Lvbv Rfj
 t`Lz hvq, hvi c0vb Kvpvgj nt`Q c0kuzK M'vm |
- 19 | c0Zg tKvb Kvi LvbwU t` tLwQj ?
 (K) P` tNbv tccv wj
 (L) tKi` GU tKv`uvb
 (M) tdAMA mvi Kvi Lvbv
 (N) QvZK wmtgU Kvi Lvbv
- 20 | D³ wkt i Drcw`Z cy`-
i. Øvi v evsj vt` k` qsm`uY©
ii. Lv` wrcv` b epx Kti
iii. e`envi i` ewkK D0vqb NUvq
 wbtPi tKvbwU mwVK?
 (K) i l ii (L) i l iii
 (M) ii l iii (N) i, ii l iii
- 21 | Rxe%wPti` i l ci mei`c cfwte KviY ntj v-
i. b`xi Zj t`k fivU
ii. Nievno wbgfY
iii. iv`wlvU wbgfY
 wbtPi tKvbwU mwVK?
 (K) i l ii (L) i l iii
 (M) ii l iii (N) i, ii l iii
- 22 | evsj vt` tki c0vb i Bwb`e` tKvb,tjv?
 (K) `Zwi tcvkV, cvURvZ`e`, Pv, Pvgov
 (L) Kvco, Mg, wPvb
 (M) wki Lv`, Lv` mvgM0
 (N) wngwqZ`e`, M'vm, tZj
- ◆ wbtPi Di xcKuU cto 23 l 24 bs c0ka DEi`vl :
 cwi tek msuvs- tmgvbt i GK e³v etj b,
 Kj Kvi Lvbi Mwvi Kvtj v tauqv, cwi gvweK eR®,
 Rjy wv M'vm, wclR, Gvm, i vnvqubK mvi, KxUvbkK
 e`envi, eb DRvi KiY BZ`wi i Kvi tY c`w_xi
 ZvcgV v epx cvt`Q |
- 23 | Di xcKuU cfwte nt`Q-
i. fvi mvg`nxb cwi tek mjo nte
ii. mgt` i cwi D`PZv epx cvte
iii. fvgi DePZv epx cvte
 wbtPi tKvbwU mwVK?

- (K) i (L) ii
 (M) i l ii (N) i, ii l iii
- 24 | D³ ZvcgV v epx i KviY-
i. wej vm`te`i e`envi
ii. e`vcK bMi vqY
iii. AwK Rxevk`Rjy wbi e`envi
 wbtPi tKvbwU mwVK?
 (K) i l ii (L) i l iii
 (M) ii l iii (N) i, ii l iii
- 25 | wktK tki tZ cv`vbKvtj eStZ cvitj b th nVr
 Kti B cfw KTYU SuKvb w`tq l tV | D³ cwi w`wZtZ
 KiYxq-
i. t`sto temi tq hvl qv
ii. tLvj v RvqMvq Ptj hvl qv
iii. AvZwZ bv n l qv
 wbtPi tKvbwU mwVK?
 (K) i l ii (L) i l iii
 (M) ii l iii (N) i, ii l iii
- 26 | ivtof hveZxq KvR m`uv` b nq Kvi gva`tg?
 (K) msweavb (L) miKvti i
 (M) mwPte i (N) RbMfYi
- 27 | Kwig, tMve` l W`wbtqj wZb eUzj Zviv h_vmtg
 Bmj vg, wv`y l L0vb agfej`x | evsj vt`k msweavb
 AbvqxfvU vtbi t`tt`-
i. wZb RtbB tFvU w`tZ cvite
ii. i ayKwi g tFvU w`tZ cvite
iii. tKD`el tg`i wKkvi nte bv
 wbtPi tKvbwU mwVK?
 (K) i l ii (L) ii l iii
 (M) i l iii (N) i, ii l iii
- 28 | c0Zwb`k0 Rv`Nti msi TY Kti c0k0 Kiv nq tKb?
 (K) HwZn` m`utK®avi Yv j v f i Rb"
 (L) w`t b v` t b i Rb"
 (M) A`DcvR`f b i Rb"
 (N) tms` h`epx i Rb"
- 29 | c0Pxb evsj vi tKvb Kvco w`t`tk i Bwb nZ?
 (K) Qwi qv (L) Gj wP
 (M) DZwb (N) Kvcvf
- 30 | ingvb mvtne GKmgq c`w`cv KitzB | evOwj i c0q
 me c`w`tjv wZwb Rvtbb | Zvi Rvbw D`tj L`hvm
 c`w`tjv ntj v-
i. BDmvd-tRvtj Lv
ii. j v qvj -gRb
iii. R`zbgv
 wbtPi tKvbwU mwVK?
 (K) i l ii (L) i l iii
 (M) ii l iii (N) i, ii l iii

tmĒ thv†mdm&~g

Abj vBb g†Wj tU÷-2020 mL²

tKŲY t 8g

wel q t evsj v (eūmbe†Pbx Afx†v)

wel q tKw		
1	0	1

mgq — 30 wgwbu

cYgvb — 30

bvg tivj bs kvLv

[`be` : mieivnKZ eūmbe†Pbx Afx†vi DĒi c†Ī cĳkē μwgK b†ti i vecix†Z cĳĒ ēYm†j Z eĒmgn nB†Z mWk/m†e†Kó DĒti i eĒw ej c†qU Kj g ōriv m†ūY†FivU Ki†Z n†ē| cĳZw cĳkē gvb-1| cĳkē†Ī tKvb cKvi `w / wPý†` I qv hv†e bv |]

- | | |
|--|---|
| <p>1 wPwKrm†Ki c†vg†K†j LK tKv_vq w†tqUQj ?
 (K) nvl Wwq
 (L) Avg†Ww†i
 (M) i w†P†Z
 (N) †` I N†i</p> <p>2 ōcRvq PŪx gŪ†c c†Pi f†xo nq ō-DĪ x†c†K ōPŪxgŪcŵ
 c†o cvl qv M†† Kx A_ēnb K†i
 (K) Qv` h†j† PĒj
 (L) †Lv† v PĒj
 (M) thLv†b †j vK mgvMg N†U
 (N) PŪx†K thLv†b Avmb †` qv nq</p> <p>3 ōbKwK Ku_vŵ tmj vB†qi Dch†j† mgq tKvb Kvj ?
 (K) e†P (L) M††S
 (M) kxZ (N) tngŠ-</p> <p>4 %Zj w†P†wU ev†v†bv wQj -
 (K) i`cvi t†g
 (L) Zvgvi t†g
 (M) Kv†Vi t†g
 (N) †j v†vi t†g</p> <p>5 bKwK Ku_v† cĳZwU m†Pi t†v†oi g†a` d†U D†v†Q-
 i. G†KkUw cwi ev†i i Kwmbx
 ii. w†k†i `bcY`
 iii. is te††ŵi bKk
 w††Pi tKvbUw mWk?
 (K) i (L) i I ii
 (M) ii I iii (N) i, ii I iii</p> <p>◇ w††Pi DĪ x†K†U c†o 6 I 7 bs cĳkē DĒi `vl :
 GwU GKwU cĳwYZ mZ`-ARm† tMj vev††` i ††q
 GKRB †` k†c†gK I Rb†c†q †bZvi GKwU evK` I
 A†bK kw†kvj x Zvi K_vq †`†ki AMwYZ gvb
 R†eb DrmM†Ki†Z KŪv†eva K†i bv </p> <p>6 DĪ x†c†K Dwj w†Z †bZv†K Kvi m†½ Zj bv Kiv hvq?
 (K) t†v†mb knx` t†v†ni v† qv` x^o
 (L) n†wg` Lv† f†mvbx
 (M) G,†K dRj j nK
 (N) †kL g†R†ej i ngvb</p> | <p>7 DĪ x†c†Ki Dw†wU th h_v_© Zvi cĳvY-
 (K) 52-i fvl v Av†` vj b
 (L) 66-Gi Qq` dv Av†` vj b
 (M) 69-i MYA†j† vb
 (N) 7B g††P† fvl Y</p> <p>8 ōg†L nwm† wPýUK† †bB P†Dwb GKUz D` ŠvŠ†ŵ-
 b†M†bi G Ae`v tKb n†q†Q?
 (K) j ¾vq
 (L) f†q
 (M) AvZw†w†Z
 (N) Am†L</p> <p>9 †KvbU†K fvl vi cĳY ej v nq?
 (K) kā
 (L) A_ēY†v†b
 (M) aYb
 (N) evK`</p> <p>10 fvl †K K†mi evnb ej v nq?
 (K) Kv†Ri (L) AŠ†i
 (M) f††ei (N) aYb†i</p> <p>11 ōG†` iŵ tKvb c†` i Pw† Z ifc?
 (K) me†vg (L) w††k†I`
 (M) w††k†IY (N) w†μqv</p> <p>12 `†††Y† msw†††B ifc†K Kx e†j ?
 (K) Kvi
 (L) dj v
 (M) `†
 (N) gj</p> <p>13 ōi vRw† ōk††i w†f†j mWU w††Q` †KvbU?
 (K) ivRv + Fw
 (L) ivRv + i w
 (M) ivR + Fw
 (N) ivRv + Aw†^o</p> <p>14 ōAn†nŵ Gi mWU w††Q` †KvbU?
 (K) An&+ An
 (L) Ant + An
 (M) An t + Ant
 (N) A†nv + Ant</p> |
|--|---|

- 15 | DcmM^h nq ktāi tKv_vq?
 (K) Avj v`v
 (L) gvtS
 (M) AvtM
 (N) tktI
- 16 | wbt` RK meθvg tKvbwJ?
 (K) tmwJ, tm_tj v
 (L) meθmKj
 (M) Giv, I iv
 (N) tKvb, tKn
- 17 | tKvb kāwJ θvi v Dfq wj ½ tevsvq?
 (K) evθwj (L) weθvb
 (M) my` i (N) LvZv
- 18 | ōAvuvi Rj Rj j vMtQōō- tKvb ktāi D`vni Y?
 (K) wθi`³ kā
 (L) t`wk
 (M) Z^me kā
 (N) Zrmg kā
- 19 | ōi Pbvō kāwJi eūePb tKvbwJ?
 (K) i Pbvvej
 (L) i Pbv vR
 (M) i Pbvex`
 (N) i Pbv mKj
- 20 | Avt` k, Dct` k, wbtI a-G_tj v wqvqi tKvb five?
 (K) mvtc¶I five
 (L) AbjAvfive
 (M) wbt` RK five
 (N) Avkv¶Iv five
- 21 | wqvict` i gj Asktk Kx ej v nq?
 (K) hwZ (L) avZt
 (M) Dw³ (N) ckwZ
- 22 | th me avZt wctkY Kiv m=ε bq, tm_tj vtK Kx ej v nq?
 (K) tgšij K avZt
 (L) thšwMK
 (M) mwvaz avZt
 (N) msthMgj K avZt
- 23 | ōeoB KwVb Rxeb t` I qv th Rxeb tbi qvi tPtqō- tK etj tQb?
 (K) t`šj Z Lu (L) msMōg wmsn
 (M) evej (N) i Yexi tPšnvb
- 24 | evefj i gnEj KweZvq dtU DtvfQ evefj i -
 i. ¶Igvkxj Zv
 ii. exi Zj
 iii. gnvbfvZv
 wbtPi tKvbwJ mwVK?
 (K) i (L) i I ii

- (M) iii (N) i, ii I iii
- 25 | ōe½fvgi cōZō KweZwJ th RvZxq KweZvi Ašf[®]-
 i. mtbU
 ii. MmwZKweZv
 iii. t` ktcōgi KweZv
 wbtPi tKvbwJ mwVK?
 (K) i I ii (L) i I iii
 (M) ii I iii (N) i, ii I iii
- ◇ wbtPi DīxcKwJ cto 26 I 27 bs cōKie DEi `vl :
 I gv tZvgvi Pi Y`wJ et¶I Avgvi awi
 Avgvi GB t` tktZ Rbftb GB t` tktZ gwI |
- 26 | DīxcK weZ ōgvō Ges ōe½fvgi cōZō KweZvi ōgvō
 θvi v ešrtbv ntqtQ-
 i. Kwei gvtK
 ii. meri gvtK
 iii. RbftvgtK
 wbtPi tKvbwJ mwVK?
 (K) i (L) ii
 (M) iii (N) i I ii
- 27 | DīxcK Ges ōe½fvgi cōZō KweZvi tKvb wv qwJ
 dtU DtvfQ?
 (K) ckwZ tctj
 (L) fvl vctj
 (M) tms` hctj
 (N) t` kctj
- 28 | bvi xi AvZvZ`vM tKv_vq tj Lv bvB?
 (K) BwZnvfm
 (L) t`vZ` fct
 (M) Avfhvfb
 (N) Avwe[®]vti
- 29 | te`bvi hM, gvbtI i hM Avi Kxmi hM AvR?
 (K) civaxbZvi
 (L) Kj`vtYi
 (M) mvfg`i
 (N) `vmfZj
- 30 | cō_θv KweZvq Kwei mxgve×Zvi t¶I nt`Q-
 i. f^³
 ii. cksmv
 iii. APθv
 wbtPi tKvbwJ mwVK?
 (K) i I ii (L) i I iii
 (M) ii I iii (N) i, ii I iii