



- (D) F ŠUĚ ħ<sup>a</sup>Ā ĀŸĀI zP è<sup>a</sup>ĀAR<sup>1</sup> CĒĀ<sup>a</sup>ĒĀZĒĒĒ ĚĤĀĪĀ<sup>Ⓜ</sup>Ā ĤĀĠĠĀĤĀ ĤzĠ<sup>1</sup>zĀĪĀĀ;
- (E) °ĀVzP ě ĀĪĀĀ<sup>a</sup>Ā PĀ<sup>Ⓜ</sup>«ĀwĀĪ<sup>Ⓜ</sup> è F ĚĤĀĪĀUĒ ZĀ<sup>Ⓜ</sup>ĒĒ ĤĀĠĀ ĀUĀ<sup>a</sup>ĀZĀ?

**eĪN.1. -ĀAZĀ «°ĀĒUĚEAqĀ GŸĒĀĀ ĤĠĀ ©.Jqi  
«ĒĀ-Āw ĤĀĠĀ<sup>a</sup>Ā ŠUĒ**

**zĤĒCgĀt ±PĀŸĀgĀ(²PĤĠĀPĪvĀ) -**

317 (2403) ŸĀĤĤĀPĀ<sup>a</sup>ĀVĀU ĚĒĤĀ<sup>2</sup>PĤĒ °ĀUĤĒ ĤĀ<sup>Ⓜ</sup> ħ<sup>a</sup>ĠĀ F «ĤĀĪĀUĤĒĀB zĀĪĀ«I ĀÖw½ Ā<sup>a</sup>ĠĒ-

- (C) <sup>a</sup>ĪVŪ<sup>2</sup>PĤĒ E<sup>-</sup>ĀSĒ (eĪN.1)-ĀAZĀ ŸĤĤĤ ĚĤĒ<sup>a</sup>Ġ<sup>2</sup>PĤĒ E<sup>-</sup>ĀSĀĪĀ<sup>Ⓜ</sup> è «°ĀĒUĚEAqĀ GŸĒĀĀ ĤĠĀ UĒ ©.Jqi. «ĒĀ-Āw ĤĀĤ ĤĀĀ SĀĪĪĀUĚĒ½ ĀĀ ŠUĒ ĤĀĠĠĀĪĀĀĀĪĀĀĀPĤĀ PĪUĚĀRzĒ ĚĤĀĠĒĪĀĀ ĀŸĒtō «<sup>a</sup>ĠĤĤĒĀB MzN Ā<sup>a</sup>ĀZĀ; ©.Jqi «ĒĀ-Āw ĤĀĠĀ<sup>a</sup>ĀPĀj vĀ ĤĀĠĠĀĤĀ ĤĪĠ<sup>Ⓜ</sup>ĤĀĀĒĒĀ;
- (D) CzĠĀVĒSĀ Ĥ<sup>2</sup>PĤĒ Ĥ ĤĪĤĀR è «°ĀĒUĚĒĒĒĒĒ ĀQ EgĀ<sup>a</sup>Ā 12 GŸĒĀĀ ĤĠĀ °ĀUĤĒ 28 ĪĒĀzPĪvĠĀ<sup>1</sup>ŠĀĤUĤĒĀB «°ĀĒUĚĒ½ ĤĀ PĪUĚĀRgĀ<sup>a</sup>ĀPĤĀĀĒĒĀ? (ĀŸĒtō «<sup>a</sup>ĠĀ ĤĀĠĀ<sup>a</sup>ĀZĀ)

**PĀĪĀPĀ±ĠĀt gĀCzĀĪĀĒĀ ; ĀöĤĀ ŠUĒ**

**zĤĒDgi. zPĀö ĒĒĀ ( ĤĀĪĀĀ Ĥ ĤĪĤĀPĪvĀ) -**

318 (2388) GŸĀ<sup>a</sup>ĀĀRĤ<sup>a</sup>ĀĀwĤĪĀ °ĀUĤĒ GERĀ<sup>2</sup>PĤĒ <sup>a</sup>ĪĀ»w vĀvĤĒĀĒĀ<sup>a</sup>ĀVĀU eĤ«PĀ vĀvĤĒĀĒĀ °ĀUĤĒ «eĀĒĀ<sup>a</sup>ĀVĀU vĀvĤĒĀĒĀ PĒ±Ā ĀĤĪĤĪ GzĤ<sup>a</sup>ĀĀ<sup>Ⓜ</sup>vĒ<sup>a</sup>ĀVĀU fĀ<sup>a</sup>ĒĒĒĒĒĒĒĒ ĤĀĠĀ F «ĤĀĪĀUĤĒĀB zĀĪĀ«I ĀÖw½ Ā<sup>a</sup>ĠĒ-



- (C) gÁAiÄZÆgÄ «±kzÁâ®AiÄ AiÄ<sup>a</sup>ÁUÄ ¥ÁgÄ ··P ÁVzÉ
- (D) C<sup>1</sup>VPE SAZÀ ÈAvGÄ , PÁðgÄ CAZÀ ©qÄUqÄiÄZÀ °È JµÄÖ
- (E) «±kzÁâ®AiÄZP è aÄÆ® , ÈPÄiÄÖ E®çgÄ<sup>a</sup>ÄZÄ , PÁðgÄZÄ  
UPÄÈPE ŠAÇZÄiÄÄ;
- (F) ŠAÇZP è aÄÆ® , ÈPÄiÄÖ PÄ à PÄ AiÄ<sup>a</sup>ÁUÄ PÄ Ä  
dgÄV , Ä ÁUÄ<sup>a</sup>ÄZÄ?

**· PÁðj ±Á<sup>-</sup>ÜMÄ è zÆEgÄhÄUÄ<sup>2</sup>PÄ AiÆÄdÉÉ ŠUÉ**

**2ÈPÄ V<sup>a</sup>ÄöÄ<sup>a</sup>Ä°ÄAvÄ±Ä<sup>a</sup>Ä° PÄdÄðEÄ( , ÄÄiÄ , Ä , ÜMÄPÄV) -**

321 (2354) ¥ÁxkÄPÄ<sup>a</sup>ÄVÄÜ¥ÉqÄ<sup>2</sup>PÄÈ °ÁUÆ , PÄ® , Ä<sup>a</sup>ÄjÄ  
F «µÄiÄUÄÆÄB ZÄiÄ«I ÄÖw½ , Ä<sup>a</sup>ÄjÉ-

- (C) gÁdÄzP ÈÄ , PÁðj ±Á<sup>-</sup>ÜMÄ è SÄ , N , PÄ<sup>a</sup>ÄVvZÆEACUÉ  
rfI -i vÄjÜMÄUÄÆÄB ¥ÁgÄ®üÄ<sup>a</sup>Ä"zÆEgÄhÄUÄ<sup>2</sup>PÄÈ AiÆÄdÉÉ  
AiÄ<sup>a</sup>Ä°ÄVzP zÉ
- (D) zÆEgÄhÄUÄ<sup>2</sup>PÄÈ AiÆÄdÉÄiÄ , ÄZPÄ ··ÄZPÄUMA ŠUÉ vÄðGÄ  
C®¥ÄÄiÄ ¥ÄjÄiÄ<sup>-</sup>ÄVZÄiÄÄ;
- (E) , ÄjÄ AiÆÄdÉÄiÄ° è PÁðgÄZÄ ¥ÄVÄ°ÁUÆ SÄ , NÄiÄ<sup>a</sup>ÄjÄ  
d<sup>a</sup>Ä ··Äj UÄÆÄÄ; (ÄÄÄ»w ÄÄqÄ<sup>a</sup>ÄZÄ)
- (F) gÁdÄ ¥ÄPÄÄZÆÄiÄ rfI -i ¥ÄÖUÄÆÄB 1zÄÄ , PÄ  
PÄUÆArgÄ<sup>a</sup>ÄPÄÄUÄÆÄÄ? (ÄÄÄ»w ÄÄqÄ<sup>a</sup>ÄZÄ)

**gÁdÄzP è EgÄ<sup>a</sup>Ä , ÄVhVÄ<sup>a</sup>ÄVÄÜC , ÄVhVÄPÄ«ÄðPÄjÄ  
PÄj vÄ**

**2È°Éi.JA. gÄPÄÄÄÄUÉqÄ(«ZÄEÄ Ä<sup>1</sup>ÄÄZÄZÄEÄ -ÄVÄjÄZPÄjÄ) -**

**2È |.Dgi. gÄPÄÄÄÄ(EÄ<sup>a</sup>ÄÄzÄö±EÄ°ÆEÇZPÄjÄ)**



J<sub>2</sub>i.1.«.n(s.c.v.T) <sup>a</sup>lv-<sup>a</sup>AAZÀ E<sup>b</sup>qÁiÁAwóÁ<sup>a</sup>ÀL.n.L  
(ITI) PÁ<sup>-</sup>ÍdÁU<sup>k</sup>Á «ZÁyóU<sup>k</sup>Á<sup>¥</sup>J ÁPÁé<sup>¥</sup>B VÁA±À  
<sup>¥</sup>Bh<sub>2</sub> Á<sup>a</sup>APÁj vÁ

z<sup>é</sup>gÁtÁ<sup>o</sup>t<sup>a</sup>ÁAvi gÁz<sup>k</sup>Á(¥<sup>k</sup>Áz<sup>g</sup>ÁPÁvÁ) -

323 (2362) G<sup>¥</sup>Á<sup>a</sup>ÁAR<sup>á</sup>ÁAwó<sup>k</sup>Á °ÁUME GER/Á<sup>2</sup>PÁt<sup>a</sup>ÁÁ»w  
vÁv<sup>e</sup>ÁÉÁ<sup>a</sup>ÁVÁU e<sup>f</sup>«PÁ vÁv<sup>e</sup>ÁÉÁ °ÁUME «eÁÉÁ<sup>a</sup>ÁVÁU vÁv<sup>e</sup>ÁÉÁ  
PÉ±P<sup>á</sup>©P<sup>k</sup> GzÁ<sup>a</sup>Á<sup>2</sup>Á<sup>o</sup>vÉ<sup>a</sup>ÁVÁU fÁ<sup>a</sup>ÉÉÁ¥ÁÁiÁ<sub>2</sub> Á<sup>a</sup>Á<sup>g</sup>Á F  
«µÁiÁU<sup>k</sup>ÉÁB zÁiÁ«I ÁÖw½<sub>2</sub> Á<sup>a</sup>Á<sup>g</sup>É-

(C) gÁdízÁ<sup>è</sup> J<sub>2</sub>i.1.«.n (s.c.v.T) <sup>a</sup>lv-<sup>a</sup>AAZÀ E<sup>b</sup>qÁiÁAwóÁ<sup>a</sup>À  
L.n.L PÁ<sup>-</sup>ÍdÁU<sup>k</sup>Á<sub>2</sub> ÁS<sup>í</sup> JµÁÖ

(D) PÍÉZÁ<sup>a</sup>ÁEgÁ<sup>a</sup> µÁDU<sup>k</sup>ÁZÁ J<sub>2</sub>i.1.«.n. (s.c.v.T) <sup>a</sup>lv-<sup>a</sup>AAZÀ  
E<sup>b</sup>qÁiÁAwóÁ<sup>a</sup>ÀL.n.L PÁ<sup>-</sup>ÍdÁU<sup>k</sup>Á «ZÁyóU<sup>k</sup>Á<sup>¥</sup>J ÁPÁé<sup>¥</sup>B VÁA±À  
<sup>¥</sup>Bh<sub>2</sub> Á<sup>a</sup>gÁ<sup>a</sup>ÁZÁ<sub>2</sub> PÁög<sup>z</sup>Á U<sup>P</sup>ÁÉPÉ SÁÇ zÁiÁÁ;

(E) °ÁVzÁ<sup>è</sup> ¥<sup>P</sup> VÁA±À «¼ÁS<sup>a</sup>ÁUP<sup>á</sup>Á PÁgÁt U<sup>k</sup>ÁÉÁ;

(F) EÉÁBzÁ<sup>g</sup>ME, ¥<sup>J</sup> PÁé ¥<sup>P</sup> VÁA±U<sup>k</sup>ÉÁB DzÁ<sup>µ</sup>ÁÖ<sup>·</sup>ÁUÉÉ ¥<sup>Bh</sup><sub>2</sub> PÁ  
PÉÁPÉUÉ¼Á ÁUÁ<sup>a</sup>ÁZÁ;

(G) ¥<sup>P</sup> VÁA±À «¼ÁS<sup>a</sup>ÁVgÁ<sup>a</sup>ÁzÁZÁ «ZÁyóU<sup>k</sup>Á<sup>·</sup> µÁPÉ  
vÉEzÁ<sup>g</sup>ÁiÁÁVgÁ<sup>a</sup>ÁzÉÁB<sub>2</sub> ¥<sup>J</sup> ¥<sup>P</sup> PÁ<sub>2</sub> PÁögÁ PÉUÉArgÁ<sup>a</sup>Á  
PÉÁU<sup>k</sup>ÉÁ;

(G) ÁiÁÁ<sup>a</sup>Á PÁ<sup>®</sup> «ÁwÁiÁ<sup>o</sup>è<sub>2</sub> ÁzÁ<sub>2</sub> ¥<sup>J</sup> ÁPÁé ¥<sup>P</sup> VÁA±U<sup>k</sup>ÉÁB  
<sup>¥</sup>Bh<sub>2</sub> Á ÁUÁ<sup>a</sup>ÁZÁ?

**Super Computing and Quantum Computing PÅj vÅ**

**2ÅePÉJ. w¥Å, Å&Ä (EÅ<sup>a</sup>ÄzÅ±EÅ<sup>o</sup>EACZÅ<sup>g</sup>Å) -**

324 (2390) G¥Å<sup>a</sup>ÄÄÅ<sup>a</sup>ÄwÅ<sup>Å</sup> Å<sup>o</sup>ÅUKE GERÅ<sup>2</sup>PAE, Å<sup>a</sup>Ä»w vÅvÅEÅEÅ<sup>a</sup>ÄvÅU ef«PÅ vÅvÅEÅEÅ<sup>o</sup>ÅUKE «eÅEÅ<sup>a</sup>ÄvÅU vÅvÅEÅEÅ PE±Å Å<sup>o</sup>ÅCÅ GzÅ<sup>a</sup>ÄÅ<sup>o</sup>vÉ Å<sup>a</sup>ÄvÅU fÅ<sup>a</sup>EÅEÅ¥ÅÅIÅ<sup>g</sup> Å<sup>a</sup>Å<sup>g</sup>Å F «µÅIÅUÅEÅB zÅIÅ«I ÅÖw½, Å<sup>a</sup>Å<sup>g</sup>E-

(C) Å<sup>a</sup>ÄEÅ<sup>a</sup>ÄÄÅ<sup>a</sup>ÄwÅ<sup>Å</sup> 2021-22EÅ, Å<sup>o</sup>EÅ<sup>a</sup>ÄÅUÅ<sup>g</sup>Å¥ÅvÅZÅ<sup>o</sup> È Super Computing and Quantum Computing CrÅIÅ<sup>o</sup>E Quantum Computing Å<sup>a</sup>ÄvÅU, ÅSACwÅ vÅvÅEÅEÅ<sup>o</sup>EÅIÅPÅ gÅdÅzÅ<sup>o</sup> MAZÅ, Å±EÅZÅEÅ ¥ÅPiö, ÅU, Å<sup>a</sup>ÄZÅV WZEÅ<sup>g</sup>Å<sup>g</sup>Å<sup>a</sup>ÄZÅ Åd<sup>a</sup>Å;

(D) Å<sup>o</sup>ÄVZÅ<sup>o</sup> È F ÅIZEÅdÉÉgÅE¥Å-gÅµUÅEÅB Å<sup>a</sup>ÄvÅU F ÅIZEÅdÉÉUÉ ÅUÅ ¥Å<sup>g</sup>Å<sup>a</sup>Å<sup>o</sup>Å<sup>a</sup>Å<sup>o</sup> (Å<sup>a</sup>¥ÅE tö «Å<sup>g</sup>Å ÅÅqÅ<sup>a</sup>ÄZÅ)

(E) PÅAZÅ, PÅÖgZÅ «eÅEÅ<sup>a</sup>ÄvÅU vÅvÅEÅEÅ<sup>o</sup>E ÅSÉ-ÅAZÅ DyöPÅ ÉÉgÅ<sup>o</sup> ÅÅqÅ<sup>a</sup>ÄvÉ PÅAZÅ, PÅÖgPÉ ¥ÅÅPÉÉ, P Å zÅIÅÅ? (Å<sup>a</sup>¥ÅE tö «Å<sup>g</sup>Å ÅÅqÅ<sup>a</sup>ÄZÅ)

**PÉÅÖI PÅGÅdÅ ¥ÅÅ, EÅZÅPÅ CÅPÅCÅP ÅÅqÅ<sup>g</sup> ÅUÉ**

**2ÅeCgÅAZÅPÅ ÅÅgi CgÅ<sup>g</sup> («ZÅEÅÅ<sup>o</sup>E-ÅAZÅZÅEÅ-ÅvÅgÅZÅPÅ<sup>g</sup>Å) -**

325 (2375) ¥ÅÅ, EÅZÅPÅ Å<sup>a</sup>ÄvÅU ¥Å<sup>g</sup>Å<sup>a</sup>ÄvÅU fÅ« ¥Å<sup>g</sup> ÅU<sup>g</sup> Å<sup>a</sup>Å<sup>g</sup>Å F «µÅIÅUÅEÅB zÅIÅ«I ÅÖw½, Å<sup>a</sup>Å<sup>g</sup>E-

(C) Å<sup>o</sup>ÄzÅ<sup>g</sup>i f<sup>-</sup>ÅIÅ<sup>o</sup> È PÉÅÖI PÅ¥ÅÅ, EÅZÅPÅ CÅPÅCÅP ÅÅqÅ<sup>g</sup> ÅIÅ Åv-ÅAZÅ ÉÅIÅÅwÅ<sup>g</sup>Å<sup>a</sup> ÅÅIÅEgÅ<sup>o</sup>EÅMÉ<sup>o</sup>EÅ CÅPÅP ÅgÅ, PÅÖgZÅ ÅUÅ ÅEÅPÉ SAC zÅIÅÅ; SAC zÅPÉ «Å<sup>g</sup>Å ÅZÅ ÅÅ»w ÅÅqÅ<sup>a</sup>ÄZÅ;

(D) f<sup>-</sup>ÅIÅ<sup>o</sup> È PÉÅÖI PÅ ¥ÅÅ, EÅZÅPÅ CÅPÅCÅP ÅÅqÅ<sup>g</sup>-ÅAZÅ ÅÅIÅEgÅ<sup>o</sup>EÅMÉ<sup>o</sup>EÅB ÅIÅÅ<sup>a</sup> ÅKeÉUÉ ÅÅqÅ<sup>o</sup>ÅVZÉ («Å<sup>g</sup>Å ÅZÅ ÅÅ»w ÅÅqÅ<sup>a</sup>ÄZÅ)

(E) f<sup>-</sup>ÁiÁ° è °ÁiÁÁEgÁ °ÉÁMÉ'í EÁq<sub>3</sub> ÁwÁÁ° Á KeÉÁiÁ °É ÁÁ  
°ÁUME CzÁÁ CrÁiÁ° è EÁq<sub>3</sub> ÁiÁÁwÁÁ° Á° Ági, ¥ÁPEí °Á'í  
°ÁUME CAUÁ UMEÁB° Á'í °ÁÁ'ÉPEqÁ ÁVgÁ° ÁZÁ , PÁÖgÁZÁ  
UPÁÉPEŠACZÁiÁÁ? (ŠACZP , «ÁÁÁZÁ°ÁÁ»w °ÁqÁ°ÁZÁ)

**CgÁ° ÁUME PÉÁÁ° ÁVÁÜ , Á , Áv**

**2ÁEazÁEÁzi JA. UÉqÁ(¥ÁÁÁZÁÁÁPÁVÁ) -**

326 (2383) CgÁ° ÁUME PÉÁÁ° ÁVÁÜ , Á , Áv , Á°ÁÁ F  
«ÁÁiÁUÁEÁB ZÁiÁ«I ÁÖw½ , Á°ÁÉ-

(C) PÉÁÖI PÁ gÁdázP è UÁ C°PÁÁ ¥ÁÁÁPÁgÁ° ÁÁ! UÉ SgÁ° Á  
VÁ°ÁEÁUÁÁÁ; (°ÁÁ»w °ÁqÁ°ÁZÁ)

(D) UÁ C°PÁÁ ¥ÁÁÁPÁgÁZÁ° Áv-ÁZÁ UÁ VÁ°ÁEÁUÁÁÁ è  
PÉÁEÁÁ° ÁPÁÁiÁÖPÁUÁ ÁiÁÁ° ÁÁ ( , ÁÖ¥Á «ÁÁ°ÁqÁ°ÁZÁ)

(E) PÁZÁLZÁ° ÁÁUÁAZÁUÁ C°PÁÁ ¥ÁÁÁPÁgÁPÉ , PÁÖgÁZÁZÁ  
°ÁÁUÁÁiÁÁZÁ CEÁZÁEÁÁÁ PÁ°ÁUÁJ UMEÁB CEÁÁÁEÁ  
°ÁÁqÁ ÁVZÁiÁÁ; °ÁÁqÁ ÁVZP ÉPÁ°ÁUÁJ UÁÁ«ÁÁ°ÁqÁ°ÁZÁ;

(F) ÁÁÁZÁP è UÁ C°PÁÁ VÁ°ÁEÁUÁÁ C°PÁÁUÉ , PÁÖgÁ  
ÁiÁÁ° ÁZÁZÁÁE «±ÁÁ ÁiÁÉÁDEÁiÁEÁB eÁJ UÉ vÁÁ° Á  
GzÁÁkZÁiÁÁ? (ÁiÁÉÁDEÁiÁ° ÁÁ»w °ÁqÁ°ÁZÁ)

**PÁqÁ ¥ÁÁÁUÁZÁ DUÁwÁÁ° Á° ÁÉ ÉÁÁUÁÁ ŠUÉ**

**2ÁEJA.J. UÉÁÁÁ° ÁÁÁ ( ÁÁiÁ , Á , ÁÁÁPÁVÁ) -**

327 (2342) CgÁ° ÁUME PÉÁÁ° ÁVÁÜ , Á , Áv , Á°ÁÁ F  
«ÁÁiÁUÁEÁB ZÁiÁ«I ÁÖw½ , Á°ÁÉ-

(C) CgÁZÁÁEÁ° É°ÁUÁÁÁ è ÁZÁ ÁÁUÁEÁB PÁqÁ ¥ÁÁÁUÁÁ  
ÉÁ±Á° ÁÁqÁwÁÁ° ÁZÁZÁ gÉVÁ UÉ DUÁwÁÁ° Á ÉÁÁUÁÁ ŠUÉ  
PÁÖgÁZÁ UPÁÉPE ŠACZÁiÁÁ; ŠACZP è EZPÉ ±Á±ÁÁ  
¥Á° ÁgÁÁEÁB PÁqÁ»rÁiÁ° Á , PÁÖgÁ PÉÁEArgÁ° Á  
PÁUÁEÁ; («ÁÁ°ÁqÁ°ÁZÁ)



(D) °Á, ÈÀ F-ÁiÀ° è PÁÉZÀ 3 a μΔUΔP è PÁqΔ≠ÁΔt UΔÁ  
°Á a Δ-ÁAZÀ JμΔO JPΔÉ °É °ÁΔiΔVZÉ AiΔ a ΔiΔ a Δ  
°É °ÁΔiΔVZÉ Δj °ÁΔUΔUÉ, PÁÖgΔAZÀ «vΔ, Á AZÀ  
≠j °ÁgΔÉ μΔO (vÁ®ÆPΔ a ÁgΔ a ΔΔ»w ΔÁqΔ a ÁZÀ)

(E) °Á, ÈÀ F-ÁiÀ° è PÁqΔ≠ÁΔt UΔÁ °Á a ΔÁiΔEÁB vΔqUÁ PÁ  
gΔE! 1gΔ a ΔiΔEÁdEΔUΔÁ AiΔ a ΔPÁ EZPÁV RZÁÖ a ΔÁrgΔ a Δ  
CEÁZÁEÁ μΔO (vÁ®ÆPΔ a ÁgΔ a ΔΔ»w ΔÁqΔ a ÁZÀ)

**a ΔZÉÁvÁ®ÆQER è a Á-Áj AiΔÁAZÀ S¼PÁwΔ a Δ  
UÁΔUΔÁ ŠUÉ**

**2Δ Dgi. ©. w a ΔÁÆEgÀ («ZÁEÁ Á É-ÁAZAZÁEÁ-ÁvΔÁZPÁgÁ) -**

328 (2314) DgÉÁUÁ a ÁvÁUPÁI ÁAS PÁ Áát °ÁUKE a ÉZÁÁiÁ  
2PÁt Δ a ΔÁ F «μÁiÁUΔEÁB ZÁiÁ«I ÁÖw½, Á a ΔÉ-

(C) °ÁUPEÁMÉ F-ÁiÁ a ΔZÉÁvÁ®ÆQER è a Á-Áj AiΔÁAZÀ  
S¼PÁwΔ a ΔUÁΔUΔÁ a ΔÁ

(D) F UÁΔUΔÁEÁB a Á-Áj AiΔ a ÁPÜZÉ½, PÁ, PÁÖgÁPÜZEArgÁ a Δ  
PÉ UΔÁEÁ?

**CgÁt a E-ÁSE a Δ-ÁAZÁ «ÁÖ, Á AZÁ ZPí qÁÁ »AUÁ  
UÁrUΔÁ ŠUÉ**

**2Δ, ÁΔ-í, ÁŠΔtÁJA;! (ΔÁiÁ, Á, UΔAPÉvΔ) -**

329 (2312) CgÁt a °ÁUKE PÉÁqÁ a ÁvÁU, Á, Δv, Δ a ΔÁ F  
«μÁiÁUΔEÁB ZÁiÁ«I ÁÖw½, Á a ΔÉ-

(C) PÁÉZÀ a ÁEgÁ a μΔUΔP è PÉEqUÁ F-É a ÁÁ! ÁiÁ° è CgÁt a  
E-ÁSE a Δ-ÁAZÁ «ÁÖ, Á AZÁ ZPí qÁÁ, »AUÁ UÁrUΔÁ  
ÁSE JμΔO («ÁÖ, Á AZÁ, ΔUΔÁ °Éj EÉEACUÉ ≠MEtÖ  
«a ΔÁ ΔÁqΔ a ÁZÀ)

(D) P M É Z À a Æ E g Ä a µ Ì O U M Z A Z À F P Á a Æ U Á J U M Z U É « z z à - P P R A T T O P Á I A r A i Ä ° è © q Ä U b j A I M A V g Ä a A C E Ä Z Á E F P µ Ä O R Z Ä Ö a Ä A q Ä Á Z Ä ° Æ J µ Ä Ö ( , Ä Æ E t ö « a b j Ä a Ä q Ä a Ä Z Ä )

**P Æ E q U Ä f - Ä i Ä ° E Ä Æ E Ä 1 v Ä t U M Ä P Ä j v Ä**

z Ä P Ä w J , i . « Ä u Ä C Z M i Ä ä ( « z Ä E Ä Ä ° È - Ä Ä Z Ä Z Ä E Ä - Ä v b j Ä z Ä P Ä j Ä ) -

330 (2372) Æ E Ä , E Ä Z Ä P Ä a Ä Ä v Ä O Æ j , b j a Ä Ä v Ä O f Ä « Æ j 1 U w b a b j Ä F « µ Ä i Ä U M Ä E Ä B z Ä i Ä « I Ä Ö w 1 / 2 , Ä a b j Ä -

(C) P Æ E q U Ä f - Ä i Ä ° è J µ Ä Ö , M Ä U M Ä E Ä B Æ E Ä 1 v Ä t U M Ä V U Ä g Ä w , Ä Ä V Z É ( , Ä Æ E t ö « a b j Ä a Ä q Ä a Ä Z Ä )

(D) , b j Æ E Ä 1 v Ä t U M Ä P è C v Ä U M Ä « g Ä a Ä J - Ä è a Ä E ® Ä E v Ä , È P Ä i Ä Ö U M Ä E Ä B P Ä ä Ä Ä V z Ä i Ä Ä ;

(E) f - Ä i Ä , Ä P Ä µ Ä Ö Æ E Ä 1 v Ä t U M Ä P è E E Ä E B a Ä E ® Ä E v Ä , È P Ä i Ä Ö U M Ä P Æ E g Ä E g Ä a Ä Z Ä , P Ä Ö g Ä Z Ä U P Ä E P Ä S A C z Ä i Ä Ä ;

(F) S A C z Ä P è Æ Ä i Ä E Ä Z Ä Æ E Ä 1 v Ä t z Ä P è E g Ä a Ä , È ® Ä U M Ä P Æ E g Ä U M Ä Ä i Ä Ä a Ä a Ä C a M U M Ä E Ä B P Ä ä Ä P Ä , P Ä Ö g Ä v Ä U Z Ä P Æ E a r g Ä a Ä P Ä Ä U M Ä E Ä / « Ä i Ä E Ä V , Ä w b j Ä a Ä C E Ä Z Á E Z Ä « a b j U M Ä E Ä ?

**P Ì D g i . a Ä ° Ä ® Q ä ä  
P Ä i Ä Ö z Ä R ö  
P Æ Ä Ö I P Ä « z Ä E Ä Æ j µ Ä Ä Ö**

List of Questions  
for Oral Answers



**LIST - 22**

Total No. of  
Questions - 15

**KARNATAKA LEGISLATIVE COUNCIL  
ONE HUNDRED AND FORTY THIRD SESSION  
(Adjourned Meetings)  
Monday, the 29<sup>th</sup> March, 2021**

---

**GROUP - I**

1. Deputy Chief Minister and Minister for Higher Education, Information Technology and Bio-Technology, Science and Technology, Skill Development, Entrepreneurship and Livelihood
  2. Minister for Primary and Secondary Education and Sakala
  3. Minister for Health and Family Welfare and Medical Education
  4. Minister for Forest and Kannada and Culture
  5. Minister for Tourism and Environment and Ecology
  6. Minister for Labour
- 

**CONSIDERING PHYSICAL EDUCATION TEACHERS AS  
ASSISTANT TEACHERS**

Dr. Y.A. Narayanaswamy (Teachers' Constituency)-

316 (2352) Will the Minister for Primary and Secondary Education and Sakala be pleased to state:-

- a) the present stage of the process of considering physical education teachers as assistant teachers; (information be furnished)
- b) whether the Government has decided to take approval of the cabinet by placing the proposal before the cabinet;

- c) if so, the timelimit within which the said process would be operated?

**B.Ed EXEMPTION FOR LECTURERS WHO ABSORBED FROM JOC**

Sri Arun Shahapur (Teachers' Constituency)-

317 (2403) Will the Minister for Primary and Secondary Education and Sakala be pleased to state:-

- a) the particulars of measures taken by the Government for regularising the service of lecturers who absorbed in pre-university education department from Vocational Education department (JOC) by exempting them from B.Ed course; the complete details of the clearcut proposal be furnished; the clear stand of the Government in connection with giving B.Ed exemption;
- b) Similarly, the measures taken by the Government to absorb 12 lecturers and 28 non-teaching staff who have not been absorbed in private education institutions? (complete details be furnished)

**STUDY CHAIR OF KAYAKA SHARANAS**

Sri R. Dharmasena (Local Authorities Constituency)-

318 (2388) Will the Deputy Chief Minister and Minister for Higher Education, Information Technology and Bio-Technology, Science and Technology, Skill Development, Entrepreneurship and Livelihood be pleased to state:-

- a) whether the Government has contemplated to set up study chairs of kayaka sharanas i.e., Madara Chennaiah, Dohara Kakkayya, Samagara Haralaiah in Hampi Kannada University;

- b) whether the Government would taken action about the long standing demand from the public and the eminent persons of society to set up study chairs of these Kayaka Sharanas;
- c) the number of days within which it would be commenced?

WORK OF SHRI KUVEMPU CHITHA BHASMA MEMORIAL  
HALL

Sri A. Devegowda (Graduates' Constituency)-

319 (2394) Will the Minister for Forest and Kannada and Culture be pleased to state:-

- a) the present stage of construction work of chitabhasma memorial Hall of Vishwa kavi shri Kuvempu in Yachenahalli village, T.Narasipur taluk in Mysuru district;
- b) the grant earmarked by the Government for the construction works of Memorial Hall as per the Government Order; and out of which, the grant released by the Government?

RAICHURU UNIVERSITY

Sri Basavaraj Patil Itagi (Local Authorities Constituency)-

320 (2317) Will the Deputy Chief Minister and Minister for Higher Education, Information Technology and Bio-Technology, Science and Technology, Skill Development, Entrepreneurship and Livelihood be pleased to state:-

- a) the date on which Raichuru University was established;
- b) the amount released by the Government after its establishment;

- c) whether it has come to the notice of the Government that there is no basic facilities in the university;
- d) if so, the date on which action would be initiated to provide basic facilities?

#### TELE- EDUCATION PROGRAMME IN GOVERNMENT SCHOOLS

Sri Kavatagimath Mahantesh Mallikarjun (Local Authorities Constituency)-

321 (2354) Will the Minister for Primary and Secondary Education and Sakala be pleased to state:-

- a) the present stage of the 'Tele-education Programme' for commencing digital classes with private partnership in Government schools of the State;
- b) whether the opinion has sought from the experts in connection with pros and cons of Tele-education programme;
- c) the role of the Government and the responsibilities of the private partners in the said programme; (information be furnished)
- d) the steps taken to prepare digital lessons as per the State syllabus? (information be furnished)

#### LABOURERS OF THE ORGANISED AND UNORGANISED SECTOR IN THE STATE

Sri H.M. Ramesha Gowda (Elected by Legislative Assembly)-

Sri P.R. Ramesh (Nominated)-

322 (2331+2386) Will the Minister for Labour be pleased to state:-

- a) the number of labourers of the organised and unorganised sector in the State; the number of labourers who are working in various industries; whether the statistics are available with the Government in this regard; if so, the number according to Government records; the percentage of share in jobs; (details be furnished)
- b) the name of the cities where ESI hospitals are existing in the State; (details of them be furnished)
- c) the monthly payment and other allowances fixed to the labourers by the Government; the compensation given by the Government and the employer to the labourers if they become handicapped otherwise injured by the accident occurred in the workplace; (details be furnished)
- d) the particulars of schemes implemented by the government for the welfare of labourers; the criteria of these schemes; the number of labourers who got benefitted under these schemes in the State; (talukwise information be furnished)
- e) the programmes and schemes undertaken by the Government to solve the unemployment problems in the State; (information be furnished)
- f) the total number of labourers who become unemployed due to closure of micro, small, medium and large scale enterprises/ industries in the State for the last 4 years; whether it has come to the notice of the Government; if so, the stand of the Government? (the separate information of the State and Bengaluru be furnished)

DECLARING EXAM RESULTS OF THE STUDENTS OF ITI  
COLLEGES RUN BY SCVT

Sri Nirani Hanamant Rudrappa (Graduates' Constituency)-

323 (2362) Will the Deputy Chief Minister and Minister for Higher Education, Information Technology and Bio-Technology, Science and Technology, Skill Development, Entrepreneurship and Livelihood be pleased to state:-

- a) the number of ITI colleges run by SCVT in the State;
- b) whether it has come to the notice of the Government that exam results of the students of ITI college run by SCVT has not been declared for the last 3 years;
- c) if so, the reasons for delay in declaring of results;
- d) whether action would be taken atleast now itself to declare the exam results as soon as possible;
- e) the actions taken by the Government to come forward for rescue of students whose future is at stake due to delay in declaring of results;
- f) the timelimit within which the said results would be declared?

SUPER COMPUTING AND QUANTUM COMPUTING

Sri K.A. Thippeswamy (Nominat ed)-

324 (2390) Will the Deputy Chief Minister and Minister for Higher Education, Information Technology and Bio-Technology, Science and Technology, Skill Development, Entrepreneurship and Livelihood be pleased to state:-

- a) whether it is true that the Hon'ble Chief Minister has announced in the budget for the year 2021-22 regarding



establishment of a 'Research Park' in the State to stimulate quantum computing and its related technology under Super Computing and Quantum Computing;

- b) if so, the outlines of the said project and the amount earmarked for the said project; (complete details be furnished)
- c) whether a proposal has been submitted to the Central Government seeking financial assistance from the Ministry of Science and Technology of Central Government? (complete details be furnished)

**KARNATAKA STATE TOURISM DEVELOPMENT  
CORPORATION**

Sri Aravind Kumar Arali (Elected by Legislative Assembly)-

325 (2375) Will the Minister for Tourism and Environment and Ecology be pleased to state:-

- a) whether the Government is aware of the irregularities are being taken place in Mayura hotel run by the Karnataka State Tourism Development Corporation in Bidar district; if so, detailed information be furnished;
- b) the name of the agency to which the management of Mayura hotel has been entrusted by the Karnataka State Tourism Development Corporation in the district; (detailed information be furnished)
- c) whether the Government is aware of the fact that the agency which is looking after the management of Mayura hotel in the district has given bar, function hall and shops being run thereunder on lease basis? (if so, detailed information be furnished)

BORDER DEVELOPMENT PROGRAMMES IN KARNATAKA  
STATE

Sri Chidanand M. Gowda (Graduates' Constituency)-

326 (2383) Will the Minister for Forest and Kannada and Culture be pleased to state:-

- a) the number of taluks which come in the limits of Border Development Authority in Karnataka State; (information be furnished)
- b) the particulars of programmes chalked out by the Border Development Authority in border taluks; (brief details be furnished)
- c) the grant released by the Government to the Border Development Authority for the last five years; whether the works have been implemented; if so, the details of works be furnished;
- d) whether the Government has intended to introduce any special scheme for the development of taluks under Border Development Authority in the future days? (information of the scheme be furnished)

CROP LOSS DUE TO WILD ANIMALS' MENACE

Sri M.A. Gopaldaswamy (Local Authorities Constituency)-

327 (2342) Will the Minister for Forest and Kannada and Culture be pleased to state:-

- a) whether the Government is aware of the fact that the farmers are suffering from losses as the wild animals are destroying the crops grown in the farm fields located adjacent to forest; if so, the steps taken by the Government to find out permanent solution for the said problem; (details be furnished)

- b) the extent of acres of crop damaged in Hassan district due to menace of wild animals for the last 3 years; the particulars of crops damaged; the compensation amount distributed by the Government for the said damages; (talukwise information be furnished)
- c) the particulars of schemes chalked out to control the menace of wild animals in Hassan district; the grant spent therefor? (talukwise information be furnished)

#### MALARIA AFFECTED VILLAGES IN MUDHOL TALUK

Sri R.B.Timmapur (Elected by Legislative Assembly)-

328 (2314) Will the Minister for Health and Family Welfare and Medical Education be pleased to state:-

- a) the names of the malaria affected villages in Mudhol taluk of Bagalakote district;
- b) the steps taken by the Government to free these villages from malaria menace?

#### CHECK DAMS AND SOAK PITS CONSTRUCTED BY FOREST DEPARTMENT

Sri M.P.Sunil Subramani (Local Authorities Constituency)-

329 (2312) Will the Minister for Forest and Kannada and Culture be pleased to state:-

- a) the number of check dams and soak pits constructed by Forest department in the limits of Kodagu district during the last three years; (complete details along with places of construction be furnished)
- b) the grant released for the said works under various Heads of Accounts for the last three years; the amount spent? (complete details be furnished)

**TOURIST SPOTS IN KODAGU DISTRICT**

Smt. S.Veena Achaiiah (Elected by Legislative Assembly)-

330 (2372) Will the Minister for Tourism and Environment and Ecology be pleased to state:-

- a) the number of places identified in Kodagu district as tourist spots; (complete details be furnished)
- b) whether all required basic facilities have been provided in the said tourist spots;
- c) whether it has come to the notice of the Government that there is lack of basic facilities in many tourist spots of the district even today;
- d) if so, the particulars of lack of basic facilities in each tourist spots; the measures taken by the Government to provide the such basic facilities/ the details of grant being appropriated for them?

**K.R. MAHALAKSHMI**

Secretary

Karnataka Legislative Council