Set – 2

**Madhyamik**

**Life Science**

Time – Three Hours fifteen minutes

(First fifteen minutes for reading the question paper only)

Full marks – 90

(for Regular and sightless Regular candidates

Special credit will be given for answer which are brief and to the point marks will be deducted for spelling mistakes, untidiness and bad handwriting.

¢e­cÑn¡hm£ -

¢eu¢ja fl£r¡bÑ£­cl SeÉ ‘L’ ‘M’ ‘N’ J ‘O’ ¢h‘¡­el fË­nÀl Ešl Ll­a q­hz

[ cª¢øq£e fl£r¡bÑ£­cl SeÉ ¢h­no ¢e­cÑ¢nL¡ ]

‘O’ ¢h‘¡­el 4.1% fË­nÀl f¢lh­aÑ 4.1 (A) fË­nÀl Ešl Ll­a q­hz

­L¡eÚ ¢hi¡N q­a L¢V fË­nÀl Ešl Ll­a q­h a¡ I ¢hi¡­Nl öl¦­aC hm¡ B­Rz

¢hi¡N - ‘L’

(pjÙ¹ fË­nÀl Ešl Ll¡ Bh¢nÉL)

1) fË¢a¢V fË­nÀl p¢WL Ešl¢V ¢ehÑ¡Qe L­l a¡l œ²¢jL pwMÉ¡ pq h¡LÉ¢V pÇf¨ZÑ L­l ­m­M¡z 1 x 15 = 15

1.1 p¡­m¡L pw­nÔ­ol Ly¡Q¡j¡m q­m¡ -

L) ­LÓ¡­l¡¢gm, M) H2O CO2 N) H2O J CO2 O) Eiu ­eC

1.2 nLÑl¡u H2 J O2 Hl Ae¤f¡a q­m¡ -

L) 2:1, M) 1:1, N) 3:1, O) 1:2

1.3 S­m âhZ£u ¢iV¡¢je¢V q­m¡ -

L) ¢iV¡¢je A, M) ¢iV¡¢je C, N) ¢iV¡¢je D, O) ¢iV¡¢je E

1.4 Sm pwhqe a¿» ­cM¡ k¡u ­k fË¡Z£l ­c­q, a¡ q­m¡ -

L) AÉ¡¢jh¡, M) n¡j¤L, N) Bl­n¡m¡, O) a¡l¡j¡R

1.5 ­ie¡p q©v¢fä ­cM¡ k¡u -

L) EiQl, M) pl£pªf, N) jvpÉ, O) fr£­a

1.6 ­Ly­Q¡l Nje¡‰ q­m¡ -

L) ¢pV¡, M) j¡wp­fn£, N) e¡¢mL¡fc, O) Arfc

1.7 ‘¢p­ØV¡¢mb’ q­m¡ ­k ­Lm¡p a¡ q­m¡ -

L) LÉ¡m¢pu¡j A„É¡­mV, M) LÉ¡m¢pu¡j L¡­h¡Ñ­eV,

N) ­p¡¢Xu¡j L¡­h¡Ñ­eV, O) jÉ¡N­e¢pu¡j L¡­h¡Ñ­eVz

1.8 A¢r­N¡m­Ll p¡j­el ü¡c Awn q­m¡ -

L) p­LÓl¡, M) ­l¢Ve¡, N) L¢eÑu¡, O) BC¢lpz

f­ll fªù¡u âøhÉ

1.9 L«o· jª¢šL¡ q­m¡ HL dl­Zl

L) ÙÛ¡e¡¿¹¢la, M) ÙÛ¡e£u, N) ÙÛ¡e¡¿¹¢la J ÙÛ¡e£u EiuC, O) ­L¡e¢VC euz

1.10 ­L¡o¢hi¡S­e ¢eE¢LÓJm­pl f¤el¡¢hiÑ¡h O­V ­k cn¡u -

L) ­V­m¡­gS, M) fË­gS, N) ­jV¡­gS, O) AÉ¡e¡­gSz

1.11 ­L¡l­L¡cNj à¡l¡ hwn ¢hÙ¹¡l L­l Hje HL¢V E¢ác q­m¡ -

L) L¡j¡C­X¡­j¡e¡p, M) Øf¡C­l¡N¡Cl¡, N) DÒV, O) imi„

1.12 pÔpÉ ¢eE¢LÓu¡­pl ­œ²¡jSj pwMÉ¡ q­m¡ -

L) n M) 2n N) 3n O) 4n

1.13 ¢e­jÀl ­L¡e¢V Eæa S¡­al qy¡p ?

L) ¢jeLÑ¡, M) ­mNqeÑ, N) M¡¢L LÉ¡­ðm, O) hËum¡lz

1.14 f­cÈl L¡­äl fËL«¢a q­m¡ -

L) Ny¥¢sL¾c, M) L¾c, N) NË¢¿ÛL¡ä, O) Øg£aL¾cz

1.15 S£h­el Evf¢š q­u¢Rm -

L) ¢j¢ø S­m, M) pj¤â S­m, N) ÙÛ­m, O) f¡q¡­sz

¢hi¡N - ‘M’

2z e£­Ql 26¢V fËnÀ ­b­L ­k ­L¡e 21¢V fË­nÀl ¢e­cÑn Ae¤p¡­l ­m­M¡ - 2 x 21 = 21

e£­Ql h¡LÉ…¢m­a Efk¤š² në h¢p­u öeÉÙÛ¡e…¢m f§lZ L­l¡ (­k ­L¡e fy¡Q¢V)

2.1 f¡LÙÛm£­a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ M¡­cÉl f¢lf¡L qu e¡z

2.2 fË¡Z£­L¡­o \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ­b­L ­hja¿¹¥ N¢Wa quz

2.3 Mä£ihe à¡l¡ See L­l \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ E¢ácz

2.4 ­im¡­je ­cM¡ k¡u \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ E¢á­cz

2.5 Q¡l fË­L¡ù k¤š² q©v¢fä haÑj¡e, Hje pl£pªf q­m¡ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ z

e£­Ql h¡LÉ…¢ml paÉ Abh¡ ¢jbÉ¡ ¢el¦fe L­l¡ (­k ­L¡e fy¡Q¢V) 1 x 5 = 5

2.7 NADP q­m¡ ¢qm ¢hL¡lL z

2.8 E¢ác ¢ch¡l¡¢œ n¡pe L­l z

2.9 L¡Cj r¥â¡­¿¹ °al£ qu z

2.10 g¡C¢hÔ­e¡­Se Ae¤Q¢œ²L¡ ­b­L °al£ qu z

2.11 CE¢NÔe¡ HLfËL¡l Evf¡cLz

2.12 ­L¡o ¢hi¡S­el ph­Q­u c£OÑÙÛ¡u£ cn¡ q­m¡ AÉ¡e¡­gSz

f­ll fªù¡u âøhÉ

‘A’ Ù¹­ñ ­cJu¡ n­ël p¡­b ‘B’ Ù¹­ñ ­cJu¡ phÑ¡­fr¡ Efk¤š² në¢Vl pja¡ ¢hd¡e L­l Eiu Ù¹­ñl œ²¢jL ew E­õMpq p¢WL ­S¡s¡¢V f¤el¡u ­m­M¡ (­k ­L¡e fy¡Q¢V) 1 x 5 = 5

|  |  |  |  |
| --- | --- | --- | --- |
| ‘A’ Ù¹ñ | | ‘B’ Ù¹ñ | |
| 2.13  2.14  2.15  2.16  2.17  2.18 | LeS¥­Nne  p¡CeÉ¡f¢pp  Llf¡p LÉ¡­m¡p¡j  Bl­n¡m¡  p¡CeÉ¡fp  A­‰yl hÉhq¡l J AhÉhq¡l | L  M  N  O  P  Q  R | pÀ¡u¤a¿»  …l¦ j¢Ù¹ú  mÉ¡j¡LÑ  Øf¡C­l¡N¡Cl¡  VÊ¡L£u¡  ¢j­u¡¢pp  mO¤ j¢Ù¹ú |

HL¢V n­ë h¡ h¡­LÉ Ešl c¡J (­k ­L¡e Ru¢V) 1 x 6 = 6

2.19 ¢hpcªp në¢V ­h­R ­m­M¡ -

fË­S­ØVlZ, C­Ù»¡­S, ­V­ØV¡­ØVlZ, ¢lm¡¢„e z

2.20 lš² a’­e p¡q¡kÉL¡l£ HL¢V ¢iV¡¢j­el e¡j ­m­M¡ z

2.21 e£­Ql pÇfLÑk¤š² HL¢V në ­S¡s ­cJu¡ B­Rz fËbj ­S¡s¢Vl pÇfLÑ h¤­T ¢àa£u ­S¡s¢Vl öeÉÙÛ¡­e Efk¤š² në hp¡J :

Af¢VL e¡iÑ : pw­hc£ pÀ¡u¤ : ­iN¡p e¡iÑ

2.22 p¡­m¡Lpw­nÔ­o Evfæ M¡cÉ NÔ¥­L¡­S O2 Hl Evp ¢L ?

2.23 nÄ¡pj§m (¢eVj¡­V¡­g¡l) ­L¡b¡u ­cM¡ k¡u ?

2.24 l­š²l d¡­œl e¡j ¢L ?

2.25 ¢e­Ql Q¡l¢V ¢ho­ul j­dÉ ¢ae¢V HL¢V ¢ho­ul A¿¹NÑaz ­pC ¢hou…¢m h¡l L­l¡ Hhw ­m­M¡z

­NÔ¡­jl¦m¡p, A¿¹j¤ÑM£ dj¢eL¡, jÉ¡m¢N¢Su¡l L¢eL¡, h¡šjL¡pLÉ¡fp¤¤m z

2.26 ­le¤ ¢L ?

**¢hi¡N - 'N'**

3z ¢e­Ql 17¢V fËnÀ ­b­L ­k ­L¡e 12¢V fË­nÀl Ešl c¤C-¢ae¢V h¡­LÉ ­m­M¡ 2x12=24

3.1 p¡­m¡Lpw­nÔ­o CO2 Hl i¨¢jL¡ ­m­M¡ z

3.2 lš² a’­e p¡q¡kÉL¡l£ c¤¢V ­fË¡¢V­el e¡j ­m­M¡ z

3.3 nÄ¡p­el c¤¢V a¡vfkÑ hÉ¡MÉ¡ L­l¡ z

3.4 gÉ¡­Vl plmaj l¡f ¢L ? Cq¡ ­L¡b¡u ­n¡¢oa qu ?

3.5 S¡q£­mj J ­gÓ¡­u­jl NWeNa J L¡kÑNa HL¢V L­l f¡bÑLÉ ­m­M¡ z

f­ll fªù¡u âøhÉ

3.6 hª­rl ­k ­L¡e c¤¢V fËd¡e L¡S ­m­M¡ z

3.7 R¡¢e J j¡­u¡¢Nu¡ hm­a ¢L ­h¡T ?

3.8 AÉ¡­j¡¢e¢g­Lne J ¢Xe¡C¢VÊ¢g­Lne ¢L ?

3.9 E¢á­cl hª¢Ül cn¡…¢ml e¡j ­m­M¡ z

3.10 ØVL J ¢pue ¢L ?

3.11 l©f¡¿¹l ¢L ? H­a p¡q¡kÉL¡l£ q­j¡Ñ­el e¡j ­m­M¡ z

3.12 ¢à¢e­oL h¢m­a ¢L ­h¡T ?

3.13 p¡b£­Q¡¢m­nl ­k ­L¡e c¤¢V a¡vfkÑ ­m­M¡z

3.14 ¢S­e¡V¡Cf J ¢g­e¡V¡C­fl ­k ­L¡e c¤¢V f¡bÑLÉ ­m­M¡z

3.15 Sl¡u¤S Aˆ¥­l¡cNj ¢L ? Cq¡ ­L¡b¡u ­cM¡ k¡u ?

3.16 f¡ul¡l A¢ik¡S­e mO¤ j¢Ù¹ú J ­fL¢V­el i¨¢jL¡ ­m­M¡ z

3.17 ­ic h¡ fËLlZ ¢L ? Hl fËL¡l­ic…¢ml E­õM Ll z

**¢hi¡N - 'N'**

4z e£­Ql Ru¢V fËnÀ h¡ a¡l ¢hLÒf fË­nÀl Ešl ­m­M¡z cª¢øq£e fl£r¡bÑ£­cl 4.1 ew fË­nÀl f¢lh­aÑ 4.1(A) ew fË­nÀl Ešl Ll­a q­hz 5 x 6 = 30

4.1 j¡e¤­ol hª­LLl mð­µR­cl f¢lµRæ ¢Qœ AˆZ L­l ¢e­jÀl Awn…¢ml ¢Q¢q²a L­l¡ :

L) hªLL£u ¢fl¡¢jX M) ­le¡m LÉ¡fp¤¤m, N) ­jSl LÉ¡¢mú O) N¢he£

Abh¡

j¡eh Q’¥l A¿¹ÑNW­el f¢lµRæ ¢Qœ AˆZ L­l ¢ejÀ¢m¢Ma Awn…¢ml ¢Q¢q²a L­l¡ : 3+2=5

L) a¡l¡a¿» M) ¢i¢VÊu¡p ¢qEjl N) A¢rfV 4) ­g¡¢iu¡ ­pfË¡¢mp

(­Lhmj¡œ cª¢øq£e fl£r¡bÑ£­cl SeÉ)

4.1(A) j¡eh hª­LLl ¢ejÀ¢m¢Ma fy¡Q¢V Aw­nl HL¢V L­l L¡S ­m­M¡ :

L) N¢he£ M) ­le¡m dje£ N) ­le¡m LÉ¡fp¤¤m O) ­jSl LÉ¡¢mú P) j¡q£nl LÉ¡¢mú

Abh¡

j¡eh Q’¥l ¢ejÀ¢m¢Ma fy¡Q¢V Aw­nl HL¢V L­l L¡S ­m­M¡ : 1 x 5 = 5

L) a¡l¡a¿» M) ¢i¢VÊu¡p ¢qEjl N) A¢rfV 4) ­g¡¢iu¡ ­pfË¡¢mp

4.2 j¡eh­c­ql f¤¢øa f¢lf¡L NË¢¿Û…¢ml i¨¢jL¡ pw­r­f E­õM L­l¡z l¡­gS¢L Hl fË­u¡Se£ua¡ ­m­M¡z 3+2=5

Abh¡

j¡eh­c­ql f¡LÙÛm£ J r¥â¡­¿¹l pw¢rç hZÑe¡ L­l¡z ­f¢lØV¡m¢pp hm­a ¢L ­h¡T ? 3+2=5

f­ll fªù¡u âøhÉ

4.3 j¡ec q©v¢f­äl NW­el pw¢rç hZÑe¡ L­l¡z q©v¢f­äl AhÙÛ¡e J L¡S ­m­M¡ z 3 + 2 = 5

Abh¡

m¢pL¡l pw¢rç NWe hZÑe¡ L­l¡ z m¢pL¡l ¢ae¢V fËd¡e L¡S ­m­M¡ z 2 + 3 = 5

4.4 E¢á­cl ­k ­L¡e ¢ae fËL¡l VÊ¢fL Qm­el pw¢rç hZÑe¡ L­l¡ z VÊ¢fL J eÉ¡¢ØVL Qm­el ­k ­L¡e c¤¢V f¡bÑLÉ ­m­M¡ z 3 + 2 = 5

Abh¡

E¢á­cl ­k ­L¡e ¢ae¢V ­lQe fÜ¢al pw¢rç hZÑe¡ L­l¡ z al¦r£l J Efr¡­ll ­k ­L¡e c¤¢V f¡bÑLÉ ­m­M¡ z

4.5 E¢ác J fË¡Z£l p¡b£­V¡L¡q£­e¢pm fÜ¢al pw¢rç hZÑe¡ L­l¡ z LÉ¡¢lJL¡C­e¢pm J p¡b£­V¡L¡q£­e¢p­ml ­k ­L¡e c¤¢V f¡bÑLÉ ­m­M¡ z 3 + 2 = 5

Abh¡

S£­hl hª¢Ü­a B­m¡ J q­j¡Ñ­el …l¦aÆ hZÑe¡ Llz Se­el fË­u¡Se£ua¡ ­m­M¡ z 3 + 2 = 5

4.6 ­j­ä­ml HLmrZ pˆl¡ue fl£r¡¢Vl pw¢rç hZÑe¡ L­l¡ z fËLV J fËµRæ Lb¡c¤¢Vl hÉ¡MÉ¡ Llz hwnN¢al p§œ…¢m ­m­M¡ z 3 + 2 = 5

Abh¡

A¢SÑa…­el hwn¡e¤plZ J S£he pwNË¡j-Hl pw¢rç hZÑe¡ Llz S£h¿¹ S£h¡nÈ hm­a ¢L ­h¡T ?

3 + 2 = 5

f­ll fªù¡u âøhÉ

**Answer of Set 2**

L ¢hi¡N

1z1.1 O) H2O J CO2 EiuC

1.2 L) 2:1

1.3 M) ¢iV¡¢je C

1.4 O) a¡l¡j¡R

1.5 N) jvpÉ

1.6 L) ¢pV¡

1.7 M) LÉ¡m¢pu¡j L¡­h¡Ñ­eV

1.8 N) L¢eÑu¡

1.9 M) ÙÛ¡e£u

1.10 L) ­V­m¡­k¡S

1.11 N) CØV

1.12 N) 3n

1.13 N) M¡¢L LÉ¡­ðm

1.14 N) NË¢¿ÛL¡ä

1.15 M) pj¤âS­m

**M ¢hi¡N**

2.1 nLÑl¡/L¡­h¡Ñq¡C­XÊV

2.2 ­p¾­VÊ¡­S¡j

2.3 Øf¡C­l¡N¡Cl¡

2.4 fl¡nËu£ E¢á­c/l¡p¡/A¢LÑX

2.5 L¥j£l

2.6 B¢LÑJf­V¢lL

2.7 paÉ

2.8 paÉ

2.9 ¢jbÉ¡

2.10 ¢jbÉ¡

2.11 paÉ

2.12 ¢jbÉ¡

2.13 O) Øf¡C­l¡N¡Cl¡

2.14 Q) ¢j­u¡¢pp

2.15 M) …l¦ j¢Ù¹×L

2.16 P) VÊL£u¡

2.17 L) pÀ¡u¤a¡

2.18 N) mÉ¡j¡LÑ