MEGHALAYA BOARD OF SCHOOL EDUCATION
HEADQUARTERS :: TURA.

CORRIGENDUM NO. 277

Dated Tura, the 11th November, 2025.

In partial modification of the Board's **Notification No. 266 & 276 dated 30th September, 2024 & 24th September, 2025** – It is kindly informed that slight modifications/corrections have been made in the **"CM IMPACT Guidebook for SSLC Examination 2026"** in the following subjects –

1. Mathematics
2. Science
3. Social Science
4. Health and Physical Education
5. English
6. Khasi

The detailed corrections/modifications are enclosed herewith for your kind reference

Sd/-

Shri D. D. Sangma, IAS,
Executive Chairman,
Meghalaya Board of School Education,
Tura.

Memo **No. MBOSE/AW/S-CUR/215/25/26404-453**　　　Dated Tura, the 11th November, 2025.

Copy to:

1. The Commissioner & Secretary to the Government of Meghalaya, Education Department, Meghalaya, Shillong, for information.
2. The Director, Educational Research & Training, Meghalaya, Laitumkhrah, Nongrimmaw, Shillong – 793011.
3. The Director, School Education & Literacy, Meghalaya, Shillong – 793003.
4. The Director, Accreditation & Controller of Examinations, MBOSE, Tura.
5. The Director (Admin.), Regional Office, MBOSE, Shillong.
6. All District School Education Officers with a request to circulate the Notification to all Secondary Schools under their respective jurisdictions.
7. All Heads of the Institutions of Secondary & Higher Secondary Schools.
8. The Jt. Director (I.T.E.S.), MBOSE, Tura to upload it in the MBOSE website.

By order etc.,

Jt. Chief Academic Officer,
Meghalaya Board of School Education,
Tura.

MATHEMATICS CLASS-10

FOR THE SSLC EXAMINATION 2025-26

SECTION-A

Multiple Choice Questions of 1 mark each.

Question nos.	Page number	Error detected	Corrected
99	204	Poi-t	Point
187	213	Ans (D)	Ans (A)

SECTION-B

Very Short-Answer type Questions of 2 marks each.

Question nos.	Page number	Error detected	Corrected
8	219	weather	whether
31	224	Name of triangle is incomplete	Name of triangle is ΔABC
34	224	$\dfrac{A}{D}\dfrac{AE}{EC}$	$\dfrac{AD}{DB} = \dfrac{AE}{EC}$
39	225	If PX= QX= 4cm and XY // QR. Prove that A QR. And Extra figure.	If PX= QX= 4cm and XY // QR. Prove that 3XY = QR. Extra figure deleted
42	226	Find the value of si D OS30^0 + Sin 30^0 Cos60^0 Ans sin60^0 cos30^0 + Sin 30^0 Cos60^0 = E 3 2 Am x ½ 6cm pole	Find the value of sin60^0 cos30^0 + Sin 30^0 Cos60^0 Ans. sin60^0 cos30^0 + Sin 30^0 Cos60^0 $= \dfrac{\sqrt{3}}{2}$ x $\dfrac{\sqrt{3}}{2} + \dfrac{1}{2}$ $\dfrac{x\,1}{2}$

SECTION-C

Short-Answer type Questions of 3 marks each.

Question nos.	Page number	Error detected	Corrected
34	239	Extra figure belongs to Q. No. 36	deleted
35	239	Extra figure	deleted
36	239	Sod BC. Figure is missing	Side BC. The extra figure of q. no. 34 is Carried over to q. no.36
38	240	Extra figure	deleted
52	243	Table is incomplete	3rd col. is the number of cars (f_i) and 4th col. Is f_i x_i
53	243	Frequency, class size, … are missing	f = frequency of the median class= 9 h = class size now, using formula, we have,

SECTION-D

Long Answer type Questions of 5 marks each.

Question nos.	Page number	Error detected	Corrected
1	246	Many printing errors are found	Ans. Let a_1 be the first term of an AP Let a_n be the last term of an AP Let S_n be the sum of the nth term of an AP Let n be the number of terms of an AP Let d be the common difference of an AP Here, $a_1=5$, $a_n=45$, $S_n=400$ Given, $S_n=400$ $\Rightarrow \frac{n}{2}(a_1 + a_n) = 400$ $\Rightarrow \frac{n}{2}(5+45) = 400$ $\Rightarrow 50n=400 \times 2$ $\Rightarrow n = \frac{400 \times 2}{50}$ $n = 16$ Hence, there are 16 numbers of terms in the given AP. But, $a_n= 45$ $\Rightarrow a_1 + (n-1) d = 45$ $\Rightarrow 5 + (16-1) d = 45$ $\Rightarrow 15d = 45-5$ $\Rightarrow 15d = 40$ $\Rightarrow d = \frac{40}{15} = \frac{8}{3}$ Hence, the common difference of an AP is $\frac{8}{3}$ The first three terms of the series are: a, a + d, a + 2d OR, a_1, $a_1 + d$, $a_2 + d$) i.e., 5, 5 + 8/3= $\frac{15+8}{3} = \frac{23}{3}$, 5 + 23/3 = $\frac{15+23}{3} = \frac{38}{3}$ i. e. 5, 23/3, 38/3.

2	246	Error starts from using formula	Using the formula $S_n = \frac{n}{2}(a_1 + a_n)$ $S_{51} = \frac{n}{2}\{a_1 + a_1 + (n-1)\,d\}$, where $a_n = a + (n-1)\,d$ $\quad = \frac{51}{2}\{2\times 10 + (51-1)\times 4\}$ $\quad = \frac{51}{2}\{20+200\}$ $\quad = \frac{51}{2}\times 220$ $\quad = 5610$
6	248	Error starts from $a_n = 248$	$a_n = 248$ $\Rightarrow \quad a_1 + (n-1)\,d = 248$ $\Rightarrow \quad 12 + (n-1)4 = 248$ $\Rightarrow \quad (n-1)\,4 = 248 - 12$ $\Rightarrow \quad n-1 = \frac{236}{4}$ $\Rightarrow \quad n-1 = 59$ $\Rightarrow \quad n = 59 + 1$ $\Rightarrow \ n = 60$ Thus, there are 60 multiples of 4 between 10 and 250.
13	250	No question number and Problem with figure	13. In fig. DE//OQ and DF//OR. Show that EF//QR. Solution: DE//OQ and DF//OR To show: EF//QR Proof: In $\triangle POQ$, DE//OQ By basic proportionality theorem. $\therefore \quad \frac{PE}{EQ} = \frac{PD}{DO}$ …….(1) In $\triangle POR$, DF//OR $\therefore \quad \frac{DD}{DO} = \frac{PF}{FR}$ ………(2) From equation (1) and (2) $\frac{PE}{EQ} = \frac{PF}{FR}$ Now, in $\triangle PQR$, we have E and F are points on PQ and PR respectively such that $\frac{PE}{EQ} = \frac{PF}{FR}$ By converse of basic proportionality theorem $\therefore$ EF//QR. Showed.
15	251	Proved that	Prove that and some realignment of equations are needed
23	253	Some errors are found	Now, $AB = AC + BC$ $\Rightarrow AB = A^1C + BC$ $\quad = \frac{16}{\sqrt{3}} + \frac{8}{\sqrt{3}}$ $\quad = \frac{16+8}{\sqrt{3}}$ $\quad\quad\quad\quad = 24\sqrt{3}$
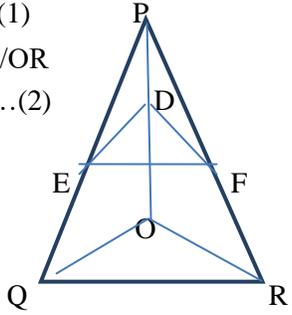
			$= \frac{24}{\sqrt{3}} \times \frac{\sqrt{3}}{\sqrt{3}}$
			$= \frac{24\sqrt{3}}{3}$ $= 8\sqrt{3} \, m$ AB= $8 \times 1.732m$ AB= $13.856m$ Hence, the height of the tree is $13.856m$
25	254	Measures of angles are missing from the figure	Angle ADB = 60^0 and Angle BDC = 45^0 should have been marked in the figure
26	254	30 m wide	80 m wide Now, In right ΔABE $\text{Tan}60^0 = \frac{AB}{BE}$ $\Rightarrow \sqrt{3} = \frac{h}{x}$ $\Rightarrow h = x\sqrt{3}$ …….(i) and, in right ΔCED $\text{Tan}30^0 = \frac{CD}{EC}$ $\Rightarrow \frac{1}{\sqrt{3}} = \frac{h}{80-x}$ $\Rightarrow h\sqrt{3} = 80 - x$ $\Rightarrow x\sqrt{3} \times \sqrt{3} = 80 - x$ (from (i) $\Rightarrow 3x = 80 - x$ $\Rightarrow 3x + x = 80$ $\Rightarrow 4x = 80$ $\Rightarrow x = \frac{80}{4}$ $\Rightarrow x = 20\text{m}$ Putting $x = 20$m in equation (i) we get h = $20\sqrt{3}$ $\Rightarrow$ h = 20×1.732 $\Rightarrow$ h = 34.64m And $80 - x$ =80-20 = 60m Hence the height of the equal poles is 34.64m Distance of point E from the pole AB is 20m And, distance of point E from the pole CD 60m
27	255	Missing angles in the figure	Angle ACB = 60^0 and Angle ADC = 30^0
29	255	Distance between two cars: D	**Distance between two cars,** **CD = BC – BD = (x - y) m**
30	256	32.87	The required distance he walked towards the building is 32. 87 m
34	257	$\therefore$ Volume of 4	$\therefore$ Volume of 4 conical depression = $4 \times \frac{11}{30}$ cm^3
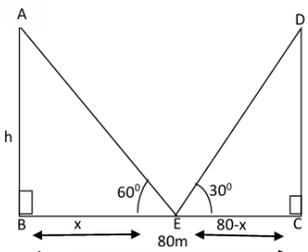
		conical depression $= 4 \times \frac{11}{30}$x cm^3 $= \frac{22}{15}$or, 1.47	$= \frac{22}{15}$ cm^{3}or, 1.47 cm^3 ∴ Volume of cuboid in the stand =Volume of pen stand–volume of 4 conical depression = 525 - 1.47 =523.53 cm^3
36	258	**Additional figure**	deleted
38	258-259	**Find the surface of the resulting cuboid**	**Find the surface area of the resulting cuboid**
39	259	**An engineering was asked….** The diameter of the model is 30cm and its length is 12cm. if each one has height of 2cm,	21. An engineering student was asked to make a model shaped like a cylinder with two cones attached at its two ends by using a thin aluminium sheet. The diameter of the model is 3cm and its length is 12cm. if each cone has height of 2cm, find the volume of air contained in the model. (assume the outer and inner dimensions of the model to be nearly the same).

ADDITIONAL QUESTIONS

SECTION-B

Very Short-Answer type Questions of 2 marks each.

Question nos.	Page number	Error detected	Corrected
1	260	**LCM missing**	**LCM = 2 x 3^2 x 17 x 73 = 22338**
2	260	**LCM missing**	**LCM = 2^2 x 3^2**
4	260	**Justify your answer.** **2 + = a, 4 + 2 - 2a**	**Justify your answer.** **2ax + by = a, 4ax + 2by - 2a = 0; a, b ≠ 0**
6	260	**Let the supplementary angles be b(a>b)**	**Let the supplementary angles be x and y (x > y)**
15	262	**A figure is pasted**	**A figure deleted**

SECTION-C

Short-Answer type Questions of 3 marks each.

Question nos.	Page number	Error detected	Corrected
5	263	**Using section formula** **(x,y) = ((k x (- 4) + 1 x1/k + 1, (k x 5 +**	**Using section formula**

		1 x (- 5)/ k + 1	$(x,y) = (\frac{(k\ x\ (-4)\ +\ 1\ x1}{k+1}, \frac{(k\ x\ 5\ +\ 1\ x\ (-5)}{k+1})$
8	264	From eq (i) and (ii) , we get (l/2) x l x 0.98m = (1/3) x (22/7) x 0.98m x 0.98m =>l= 2 x 22 x 0.98m x 0.98m)/(3 x 7 x 0.98m)	From equations (i) and (ii) , we get $\frac{1}{2}$ x l x 0.98 m = $\frac{1}{3}$ x $\frac{22}{7}$ x 0.98m x 0.98m $\Rightarrow$ l = $\frac{2\ x\ 22\ x\ 0.98mx\ 0.98\ m}{3\ x\ 7\ x\ 0.98\ m}$ $\Rightarrow$ l = $\frac{2\ x\ 22\ x\ 0.98\ m}{3\ x\ 7}$ $\Rightarrow$ l = 2.05m (approx..) therefore, the length of the arc described = 0.25 m
10	265	Find the missing frequency 'x from the following data:	If the mean of the following frequency distribution is 62.8, find the missing frequency 'x from the following data:
12	266	The difference of the areas of minor sector and the corresponding major sector = area of major sector – area of the minor sector =>π r^2 – area of the minor sector– area of the major sector =>π r^2 – 2 x area of the minor sector =>$\frac{22}{7}$ x 21 x 21 – 2 x $\frac{π\ r2\ \theta}{360}$ => 1386 – 2 x $\frac{22}{7}$ x 1 x 21 x $\frac{120}{360}$ => 1386 – 924 => 462 cm^2	The difference of the areas of minor sector and the corresponding major sector = area of major sector – area of the minor sector = π r^2 – area of the minor sector– area of the minor sector = π r^2 – 2 x area of the minor sector = $\frac{22}{7}$ x 21 x 21 – 2 x $\frac{π\ r2\ \theta}{360}$ = 1386 – 2 x $\frac{22}{7}$ x 1 x 21 x $\frac{120}{360}$ = 1386 – 924 = 462 cm^2

SECTION-D
Long-Answer type Questions of 5 marks each.

Question nos.	Page number	Error detected	Corrected
1	267	And	And, a_{50} = 106 (given)
2	268	Let a_1, a_2, a_3, ….. be the term terms of an AP	Let a_1, a_2, a_3, ….. be the ten terms of an AP
7	273	tan θ x $\frac{1}{\tan\theta} = \frac{h}{ab}$	tan θ x $\frac{1}{\tan\theta} = \frac{h2}{ab}$
9	274	In right ΔBBC	In right ΔDBC
11	276	Find the value ….. = $\frac{11+37.08}{2}$ cm^2	Find the volume ….. = $\frac{11\ x\ 37.08}{2}$ cm^2 = $\frac{407.08}{2}$ cm^2 = 203.94 cm^2

6   Which of the following ……   *(pg. 297)*
     A   Dilution of …..
     B   ~~B~~ Freezing of water. *(delete the extra B)*

28   *The correct answer is* (A) *not* (D).   *(pg. 299)*

32   Which of the following is used to oxidise ethanol to ethanoic acid? *(correction: please do the necessary correction of options as follows)*   *(pg. 299)*
     A. Conc. H_2SO_4 B. Alkaline $KMnO_4$
     C. Alkaline $K_2Cr_2O_7$ D. Conc. HCl
     Ans. B

34   *(arrange the alignment of the options properly: A,,,, B…. C… D…..) (pg. 299)*

83   *(arrange the alignment of the options properly: A,,,, B…. C… D…..) (pg.302)*

95   *(check the numbering and alignment of given options* 'C'*) (pg. 303,304)*
     (A) Pepsin   (B) Mucus
     (C) Salivary amylase (D) Bile

114 *(arrange the alignment of the options properly: A,,,, B…. C… D…..) (pg.305)*

115 Which change occurs in the respiratory rate due to the (~~construction~~) contraction of the diaphragm and the rib muscle? *(wrong spelling it is contraction not construction)* *(pg. 305)*

121 *(In option* D *spelling of (*~~Gras~~*) to be corrected as* Grass*) (pg. 305)*

146 *(In option (D) instead of* D ~~(ii)~~ (iii) and (iv) are correct, *(it should be* " (D) (iii) and (iv) are correct.")   *(pg. 307)*

156 *The correct answer is* (B) *not* (A).   *(pg. 308)*

159 *(arrange the alignment of the options: A,,,, B…. C… D….. properly)   (pg. 308)*

160 A soft iron core is inserted inside a current carrying solenoid. The magnetic field inside a solenoid will: *(replacement: as it is repeated in Q199)(pg. 308)*
     (A) increase   (B) decrease
     (C) remain the same   (D) becomes zero
     Ans : (A)

165. Myopia occurs due to   *(pg. 309)*
     (A) increase in the focal length of the eye lens
     (B) decrease in the focal length of the eye lens
     (C) contraction of the eye ball
     (D) decrease in distance between the retina and the eye lens.
     Ans (B).
          (words missing in option (A) and (B))

172 An object is placed in front of a concave lens. For all positions of the object, the image formed is always *(pg. 309)*
(A) Real, diminished and inverted (B) Virtual, diminished and erect.
(C) Real, enlarge and erect (D) Virtual, erect and enlarge
Ans (B) *(words missing in option (A), (B), (C) and (D))*

181 The unit of power of a lens *(pg. 310)*
(A) metre (B) Centimetre
(C) Dioptre (D) m^{-1}
Ans (C)
(alignment and overlapping of words)

185 ~~Tow~~ Two LED bulb …… *(wrong spelling must be 'Two' not 'Tow')* *(pg. 310)*

207. *(option (B) must be* (B) 2.5m *not 2.5cm)* *(pg. 312)*

210. A piece of wire of resistance R is cut into five equal parts are then connected in parallel. If the equivalent resistance of this combination is (~~R~~) R′, then the ratio of R/ R′ is
(it is R′ not R) *(pg. 312)*

215. *(alignment of formulae in the given options to be checked properly)* *(pg. 312)*

SECTION – B SHORT ANSWER QUESTIONS (2 marks)

10 The refractive index of diamond is (~~2.24~~) 2.42. what does this….? *(pg. 314)*
Ans. It means that light travels (~~2.24~~) 2.42 times slower……. *(it is 2.42 not 2.24)*

25(b) *check the alignment* *(pg. 315)*
Potential difference (V) = 12V
Work (W) = ?
Using, W = V x Q

34 What do you mean by decomposition reaction? Give example. *(pg.316)*
Ans. <u>A chemical reaction in which</u> a single reactant breaks down to give simpler products are known as decomposition reaction. *(sentence error)*
Eg.: $CaCO_3(s)$ → $CaO(s)$ + $CO_2(g)$

45 *(check the alignment of chemical reaction, it should be)* *(pg. 317)*

$CaSO_4 . \frac{1}{2} H_2O$ + $1\frac{1}{2} H_2O$ → $CaSO_4 . 2H_2O$
(Plaster of Paris) (Gypsum)

48 Explain the meaning of malleability and ductility. *(instead of malleable and ductile it should be malleability and ductility)* *(pg. 317)*

50 *(check the alignment of chemical reaction, it should be)* *(pg. 317)*
Zn + $2 HCl$ → $ZnCl_2$ + H_2
(Zinc) (Hydrochloric acid) (Zinc Chloride) (Hydrogen)

72   Give the scientific name of the plant …. *(pg. 319)*

Ans. *(last line of the answer there is a spelling mistake)*

       ……..The (~~ration~~) ratio obtained in both the generations was 3:1 (Tall : Short) *(instead of ration, it must be ratio)*

ADDITIONAL QUESTION

2.   State mirror formula……. *(Check the alignment of Mirror formula.)*   *(pg. 322)*

Ans. The mirror formula, $\frac{1}{v} + \frac{1}{u} = \frac{1}{f}$, where the symbols. …..

4   A coin in a glass beaker…… *(pg. 322) (Check spelling mistake in the answer)*

Ans. It happens on account of (~~reflection~~) refraction of light. ….. *(it is refraction not reflection)*

53   Which uses more energy. ….. *(pg. 332) (some line missing in the answer)*

Ans. Energy consumed by an electric appliance is given by the expression,
       $E = Pt$, where Power of appliance$=P$; Time $= t$

       Energy consumed by a TV set of power 250 W in 1 hour = 250W x 1h

$$= 250 \text{ Wh}$$

       Energy consumed by a toaster of power 1200 W in 10 min. $= 250 \times \frac{10}{60}$ Wh

$$= 200\text{Wh}$$

       Therefore, the energy consumed by a 250 W TV set in 1h is more than the energy consumed by a toaster of power 1200 W in 10 minutes.

3 (a) Find the speed of light …*(pg. 333) (check the calculation 2nd column, need to align properly)*

Ans. (a)   given: Speed of light in vacuum(c) $=3\times10^8$ m/s

       Refractive index of the medium(μ) $= 2.5$

       Speed of light in vacuum(c) $= ?$

       Refractive index of medium is given by,

$$\mu = \frac{\text{speed of light in vacuum(c)}}{\text{speed of light in medium(v)}}$$

$$\mu = \frac{c}{v}$$

$$2.5 = \frac{3\times10^8 \text{ m/s}}{v}$$

$$v = \frac{3\times10^8 \text{ m/s}}{2.5}$$

$$v = 1.2 \times 10^8 \text{ m/s}$$

7(b) Calculate the strength of the total current ……. …*(check the alignment for I_{max} and I_{min})* .
      (pg. 334)

Ans.   (b)   For parallel combination

$$\frac{1}{R} = \frac{1}{5} + \frac{1}{10} = \frac{(2+1)}{10}$$

$$\frac{1}{R} = \frac{10}{3}\,\Omega$$

$$\frac{1}{R} = \frac{10}{3}\,\Omega$$

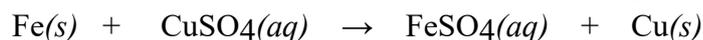$$I_{max} = \frac{V}{R} = \frac{6}{\frac{10}{3}} = \frac{18}{10} = 1.8\ A$$

For series combination R = 10 + 5 = 15 Ω

$$I_{min} = \frac{V}{R} = \frac{6}{15} = \frac{2}{5} = 0.4\ A$$

5   An iron nail was dipped …. *(check the reaction at the last line of the answer there is an overlapping.)*   *(pg. 336)*
Ans.   When an iron ……
                ……. Thus, this reaction is called as a displacement reaction.
        $Fe(s)$ + $CuSO_4(aq)$ → $FeSO_4(aq)$ + $Cu(s)$

7.   Write the chemical reaction of zinc …… *(check the answer at the last line) (pg. 336)*
Ans.   ……..
        The balance chemical equation:
        Zn   +   4HNO$_3$ →   Zn(NO$_3$)$_2$ +   2NO$_2$ +   2H$_2$O
                                (Zn is missing in Zn(NO$_3$)$_2$)

BIOLOGY 3 MARK QUESTIONS
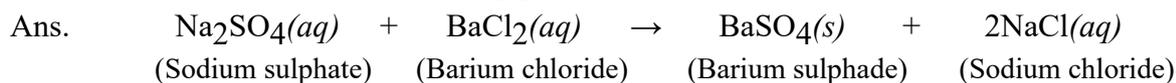
6
 (b)   What is the function of gastric sphincter (~~sphin~~) and anal sphincter?
                (please check alignment and spelling error) (pg. 337)

SECTION – D LONG ANSWER QUESTIONS (4-MARKS)

2.   On adding a drop of barium …….. *(Check the alignment of the chemical reaction in the answer)*   *(pg. 338)*
Ans. $Na_2SO_4(aq)$ + $BaCl_2(aq)$ → $BaSO_4(s)$ + $2NaCl(aq)$
        (Sodium sulphate)   (Barium chloride)   (Barium sulphade)   (Sodium chloride)

 4.   *(please check the formula of iron oxide in answer (a))   (pg. 338)*
Ans. a) Compound X is iron oxide (Fe_2O_3)

6.   *(please check the spelling in answer (ii))*   *(pg. 339)*

Ans.

(ii)   When X, i.e., ethanol is heated with excess sulphuric acid at 443 K, (~~ethane~~) ethene is formed by the dehydration of ethanol

(it is ethene not ethane)

11.   In the following crosses write the characteristics of progeny:-*(check the alignment)(pg. 340)*

	Cross			Progeny
a	RRYY (Round yellow)	x	RRYY (Round yellow)	
b	RrYy (Round yellow)	x	RrYy (Round yellow)	
c	rryy (wrinkle green)	x	rryy (wrinkle green)	
d	RRYY (Round yellow)	x	rryy (wrinkle green)	

Ans: In the following crosses the characteristics of the progeny is:

	Cross			Progeny
a	RRYY (Round yellow)	x	RRYY (Round yellow)	All round yellow
b	RrYy (Round yellow)	x	RrYy (Round yellow)	Round yellow, wrinkle yellow, round green. wrinkle green
c	rryy (wrinkle green)	x	rryy (wrinkle green)	All wrinkle green
d	RRYY (Round yellow)	x	rryy (wrinkle green)	Round yellow

30.(i) Give two differences between ..... *(pg. 345)*

Ans.   …..

        (please remove/ cancel the extra table of differences between aerobic and anaerobic respiration on the 2nd column of the page)

Additional Questions 4 - marks

1   A converging mirror of focal length….(*please check the alignment in the answer) (pg. 345)*

Ans. Converging mirror is a concave mirror.

$\therefore$ f = – 20 cm

m = + 2 or – 2

u = ?

from,

$$m = -\frac{v}{u}$$

$$+2 = -\frac{v}{u}$$

$$\therefore \quad v = -2u \dots\dots(i)$$

OR

$$m = -\frac{v}{u}$$

$$-2 = -\frac{v}{u}$$

$$\therefore \quad v = 2u\dots\dots(ii)$$

now, from mirror formula,

$$\frac{1}{v} + \frac{1}{u} = \frac{1}{f}$$

$$\frac{1}{-2u} + \frac{1}{u} = \frac{1}{-20} \quad \dots\dots\text{from (i)}.$$

$$\frac{-1 + 2}{2u} = \frac{1}{-20}$$

$$\frac{1}{2u} = -\frac{1}{20}$$

$$1 \times 20 = -1 \times 2u$$

$$20 = -2u$$

$$u = -\frac{20}{2}$$

$$\therefore \quad u = -10 \text{ cm}$$

Again,

$$\frac{1}{v} + \frac{1}{u} = \frac{1}{f}$$

$$\frac{1}{2u} + \frac{1}{u} = \frac{1}{-20} \quad \dots\text{from (ii)}$$

$$\frac{1 + 2}{2u} = \frac{1}{-20}$$

$$\frac{3}{2u} = -\frac{1}{20}$$

$$3 \times 20 = -1 \times 2u$$

$$u = -\frac{60}{2}$$

$$\therefore \quad u = -30 \text{ cm}$$

Hence, two object distance are -10 cm and -30 cm.

2. A given wire is stretch to double its length. How will its resistance change? *(check the alignment properly, this is the correct way)* *(pg. 346)*

Ans. Let the length of the wire = l

and area of cross section = A

then its resistance,

$$R = \rho\frac{l}{A}$$

when length becomes = 2l

area of cross section = $\dfrac{A}{2}$ (Reduced)

∴ Change in resistance,

$$R' = \rho\frac{(2l)}{(A/2)}$$

$$= \rho\frac{2l \times 2}{A}$$

$$= 4\,\rho\frac{l}{A}$$

$$= 4\,R$$

5. A 2.5cm tall object is placed …… *(incomplete answer.)* *(pg. 347)*

Ans. *(to find the size of the image is missing. Please add at the end of the answer, after the following line;)*

The positive sign 'v' shows that the image is real and inverted.

(add this-)

To find the size of the image:
We know,

$$\text{magnification(m)} = \frac{v}{u}$$

$$m = \frac{30}{-30} = -1$$

Since, magnification is 1, therefore the size of image = size of object = 2.5cm.
The negative sign indicate that the image is inverted.

SOCIAL SCIENCE: 2025-26 (Rectified)

Q.NO	PAGE NO	ERROR DETECTED	ERROR RECTIFIED
16	50	**1. Which of the following was a consequence of Otto von Bismarck's foreign policy?** A) Germany became a federal state B) Germany was divided into smaller states C) Germany gained significant territory through wars D) Germany lost its independence to France. *Answer: C)* **Repeated same as Q.No 14**	Delete
21	51	**A): Peasant in Awadh had to do forced labour or beggar at the landlord's farms. They also had to pay extremely high taxes and rents.** **(R): The movement in Awadh was against the atrocities of the talukdars and landlords.** **Option:** A) Both (A) and (R) are correct and (R) is the correct explanation of (A). B) Both (A) and (R) are correct but (R) is not the incorrect explanation of (A). C) (A) is correct but (R) is incorrect. D) (A) is incorrect but (R) is correct. *Answer: A)*	**A): Peasant in Awadh had to do forced labour or begar at the landlord's farms. They also had to pay extremely high taxes and rents.** **(R): The movement in Awadh was against the atrocities of the talukdars and landlords.** **Option:** E) Both (A) and (R) are correct and (R) is the correct explanation of (A). F) Both (A) and (R) are correct but (R) is not the incorrect explanation of (A). G) (A) is correct but (R) is incorrect. H) (A) is incorrect but (R) is correct. *Answer: A)*

31	51	**1. Which local movement led by Gandhi wassuccessful in winning concessions from the British?** A) Champaran Satyagraha B) Kheda Satyagraha C) Ahmedabad Mill Strike D) All of the above *Answer: D*	**2. Which local movement(s) led by Gandhi was/were successful in winning concessions from the British?** A) Champaran Satyagraha B) Kheda Satyagraha C) Ahmedabad Mill Strike D) All of the above *Answer: D*
63	55	**All the banks act as a mediator between……and……..** A) rural people, urban people B) literates, illiterates C) people, government D) depositors and government *Ans: D)*	**All the banks act as a mediator between……and……..** A. rural people, urban people B. literates, illiterates C. people, government D. depositors and borrowers *Ans: D)*
68	56	**Loans from the banks and co-operatives are relatively much cheaper as their interest rates remain between…** A) 9 to 14% B) 8 to 19% C) 8 to 12% D) 9 to 18% *Answer: D)*	**Loans from the banks and co-operatives are relatively much cheaper as their interest rates remain between…** A. 9 to 14% B. 8 to 19% C. 8 to 12% D. 9 to 18% *Answer: C)*
78	56	**Where is the headquarters of the World Trade Organisation (WTO) located?** A) Geneva, Switzerland B) Brussels, Belgium C) Paris, France	**Where is the headquarters of the World Trade Organisation (WTO) located?** A) Geneva, Switzerland B) Brussels, Belgium C) Paris, France

			D) New York, USA
		Ans: B	Ans: A

	57	**Which one of the following is not a base for preparation of Human Development Index (HDI)**
		    A. Literacy rate
		    B. Life expectancy
		    C. Industrialization
		    D .Per capita income
			Should be Q. No 82.

89	58	**Which sector contributes the most to India's GDP?**
		    D) Agriculture
		    E) Industry
		    F) Services
		    G) Manufacturing
		
		Ans: C
			Which sector contributes the most to India's GDP?
			    A). Agriculture
			    B) Industry
			    C) Services
			    D) Manufacturing
			
			Ans: C)

103	59	**What is the share of the industrial sector in India's total GDP?**
		    A) 20-25%
		    B) 25-30%
		    C) 30-35%
		    D) 35-40%
		
		Answer: C)
			What is the share of the industrial sector in India's total GDP?
			    A) 20-25%
			    B) 25-30%
			    C) 30-35%
			    D) 35-40%
			
			Answer: B)

107	59	**Which of the following is not a type of foreign aid?**
		    A) Grant
		    B) Loan
		    C) Investment
		    D) Import of our products into their country
			Which of the following is not a type of foreign aid?
			    A) Grant
			    B) Loan
			    C) Investment
			    D) Import of products from Donor country
			
			Answer: D)

		Answer: D)	
141	62	**Observe the following statements with regards to Indian federalism and choose the correct option:** **A.** Statement I. The cordial centre- state relations have been strengthened the federalism in India. **B.** Statement II. Hindi was granted the status of official language in India **C.** Statement III. Creation of linguistic states has led to unity and integrity of the country. **D.** Statement IV. Like some other federations, India too does permit dual citizenship. **Options:** **A) Statements I and III are correct** **B) Statements II and IV are correct** **C) Statement II , III and IV are correct** **D) Statements I and IV are correct** *Answer: (A):*	**Observe the following statements with regards to Indian federalism and choose the correct option:** Statement I. The cordial centre- state relations have been strengthened the federalism in India. Statement II. Hindi was granted the status of official language in India Statement III. Creation of linguistic states has led to unity and integrity of the country. Statement IV. Like some other federations, India too does permit dual citizenship. **Options:** **A) Statements I and III are correct** **B) Statements II and IV are correct** **C) Statement II , III and IV are correct** **D) Statements I and IV are correct** *Answer: (A):*

201	69	**Match the following aspect of Resources classification with their description and choose the correct option.**
		      List A
		        I. Individual Resource
		        II. Community Owned Resources
		        III. National Resource
		        IV. International Resource
		      List B
		
		        i. Public Parks
		        ii. Railways
		        iii. Manganese nodules
		        iv. Houses
		Options:
		        A) *A.* a-(iv), b-(ii), c-(iii), d-(i)
			Match the following aspect of Resources classification with their description and choose the correct option.
			      List A List B
			a). Individual Resource i. Public Parks
			b) Community Owned Resources ii. Railways
			c) National Resource iii. Manganese nodules
			d). International Resource iv. Houses
			
			      Options:
			
			        A.* a-(iv), b-(ii), c-(iii), d-(i)
			        B.* a-(ii), b-(iv), c-(iii), d-(i)

		B) *B.* a-(ii), b-(iv), c-(iii), d-(i) C) *C.* a-(i), b-(ii), c-(iv), d-(iii) D) *D.* a-(iii), b-(i), c-(iv), d-(ii) *Answer: A)*	C.* a-(i), b-(ii), c-(iv), d-(iii) D.* a-(iii), b-(i), c-(iv), d-(ii) *Answer: A)*
203	69	**Conservation of Resources means*** A. Using resources efficiently that are now without harming future prospects. B. Using resources judiciously since resources are depleting at a fast rate. A) Statement A is correct. B) Statement B is correct. C) Statement A is correct and statement B is the best explanation for Statement A. D) Both Statements are incorrect. *Answer:* C)*	**Conservation of Resources means*** I. Using resources efficiently that are now without harming future prospects. II. Using resources judiciously since resources are depleting at a fast rate. A) Statement I is correct. B) Statement II is correct. C) Statement I is correct and statement II is the best explanation for Statement I. D) Both Statements are incorrect. *Answer:* C)*
204	69	**On the basis of origin, resources can be classified as _____ and _____.** A) Biotic and Abiotic B) Renewable and Non-Renewable C) Potential and Developed D) Both (a) & (b) *Answer: A)* (Repeated as same as QNo. 202)	**Delete**
206	70	**Resource Planning is needed because** A. Resources are needed because limited are unevenly distributed and all over the world B. Some regions are rich in certain resources, but deficient in other	**Resource Planning is needed because** A) Resources are needed because limited are unevenly distributed and all over the world B) Some regions are rich in certain resources, but deficient in other

		C. Both option (a) & (b) are True D. Both option (a) & (b) are false	C) Both option (A) & (B) are True D)Both option (A) & (B) are false
210	70	**Which area in the North Western part of India is abundant in Solar energy but lacks in water resources.** A) Rajasthan B) Arunachal Pradesh C) Ladakh D) Chattisgarh *Answer: C)*	**Which area in the North Western part of India is abundant in Solar energy but lacks in water resources?** A) Rajasthan B) Arunachal Pradesh C) Ladakh D) Chattisgarh *Answer: A)*
215	71	**During whose reign were the dams, lakes and Anya Irrigation system built in Karnataka?** A) Ashoka B) Akbar C) Chandragupta Maurya D) None of the above *Answer: C)*	**During whose reign were the dams, lakes and Irrigation system built in Karnataka?** A) Ashoka B) Akbar C) Chandragupta Maurya D) None of the above *Answer: C)*
224	71	**Which of the following causes the extensive damage to environment?** A) Burning firewood B) Burning crowding C) Burning fossil fuel D) None of these. *Answer:C)*	**Which of the following causes the extensive damage to environment?** A) Burning firewood B) Burning cow dung C) Burning fossil fuel D) None of these. *Answer:C)*
228	72	**What is often referred to as the "Life Line of National Economy" in India?** A) Indian Railways B) Indian Airlines C) National Highways	**What is often referred to as the "Life Line of National Economy" in India?** A) Trade and Commerce B) Transport and communication

		D) Telecommunication Network *Answer: B)*	C) Agriculture and Industry D) Import and Export. *Answer: B)*
238	73	**National highway that connects Amritsar with Delhi is NH No.** A) National Highway No. 5 B) National Highway No. 4 C) National Highway No. 3 D) National Highway No. 1 *Answer: C)*	**National highway that connects Amritsar with Delhi is NH No.** A) National Highway No. 5 B) National Highway No. 4 C) National Highway No. 3 D) National Highway No. 1 *Answer: D)*
248	74	**What is the name of the deepest cave in Meghalaya, which is a tourist destination?** A) Mawsmai cave B) Krem Liat Prah C) Synrang Pamiang D) Maw synram cave *Answer: B)*	**What is the name of the longest cave in Meghalaya, which is a tourist destination?** A) Mawsmai cave B) Krem Liat Prah C) Synrang Pamiang D) Maw synram cave *Answer: B)*
254	74	**What is the total length of the National Highways in India?** A) 50,000 km B) 70,000 km C) 90,000 km D) 1,00,000 km **Answer: B)**	**Delete**

256	74	**Which state has the highest number of State Highways?** A) Uttar Pradesh B) Maharashtra C) Tamil Nadu D) Karnataka **Answer: A)**	**Delete**	
258	74	**What is the total length of the railway tracks in India?** A) 60,000 km B) 70,000 km C) 80,000 km D) 90,000 km **Answer: C)**	**Delete**	
259	75	**What is the total * length of the navigable waterways in India?** A) 10,000 km B) 15,000 km C) 20,000 km D) 25,000 km **Answer: B)**	**What is the total approximate length of the navigable waterways in India?** A) 10,000 km B) 15,000 km C) 20,000 km D) 25,000 km **Answer: B)**	

| 260 | 75 | **Which of the following is the busiest port in India?**

    A) Mumbai Port
    B) Chennai Port
    C) Kolkata Port
    D) Jawaharlal Nehru Port

Answer: D) | **Which of the following is the busiest port in India?**

    A) Mumbai Port
    B) Chennai Port
    C) Kolkata Port
    D) Jawaharlal Nehru Port

Answer: A) |

HEALTH AND PHYSICAL EDUCATION

	ERROR QUESTIONS	CORRECTED QUESTIONS
Q.No	SECTION A (MCQ)	
2.	Chronological maturity is important for which of the following? A.Doing household chores. B.Getting a passport C.Medical Checkup. D.Getting the right to vote. Ans. D	Chronological maturity is important For which of the following? A.Doing household chores. B.Travelling. C.Medical Checkup. D.Getting the right to vote. Ans. D
11.	As you become teenager, your Dependence on parents_____ A.Increase B.Decrease C.Doesn't change. D.cannot tell. Ans. B.	As you become teenager, your Dependence on parents_____ A.Increase B.Reduce C.Doesn't change. D.Remains the same. Ans. B
42.	Which of the following is part of the Primary focus group of the IMI Programme? A.Children upto 2 years of age. B.Children upto 5 years of age. C.Malnourished school going children. D.All children upto 15 years of age. Ans. A	Which of the following is part of the Primary focus group of the IMI Programme? A.Children upto 2 years of age. B.Children upto 10 years of age. C.Malnourished school going chidren. D.All children upto 15 years of age. Ans. A

94.	The classical books of Siddha system are written in which language? A.Telegu B.Tamil C.Kannada D.Malayalam	The classical books of Siddha system are written in which language? A.Telegu B.Tamil C.Kannada D.Malayalam Ans- B
142.	The leftover drugs can be A.used for next time. B.given to relatives for use. C.donated to charitable dispensaries. D.none of the above. Ans. C	The leftover drugs can be A.used for next time. B.given to relatives for use. C.donated to charitable dispensaries. D.kept without a label for future use. Ans. C
152.	The WHO provides health guidance with regards to international travel to A.Guess-based B.evidence-based C.profit-based D.deficit-based Ans. B	The WHO provides_____ health guidance with regards to international travel A.guess-based B.evidence-based C.profit-based D.deficit-based Ans. B

SECTION- C
(3 marks Questions)

19.	Name three statutory councils set up by the government of India.(SSLC,Feb25).
	
	Ans. Three statuto Ans. The daily routine recommended by ayurvedic practitioners is based on health principles like early rising, cleaning of bowels, cleaning of teeth, physical erxercises, taking baths and pranayamas etc.
		Name any three statutory councils set up by the government of India.(SSLC,Feb25).
		
		Ans. i)The Medical Council of India.
		   ii)The Dental Council of India.
		   iii)The Indian Nursing Council.
		   iv)The Pharmacy Council of India.
		      (any three from above)

30.	Write the full form of the following-DHR, NACO, PMSSY Ans.(a)DHR- Department of Health Research. (b)NACO- National AIDS Control Organisation. (c)PMSSY- Pradhan Mantri Swasthya Suraksh Yogana.	Write the full form of the following-DHR, NACO, PMSSY Ans.(a)DHR- Department of Health Research. (b)NACO- National AIDS Control Organisation. (c)PMSSY- Pradhan Mantri Swasthya Suraksha Yojana.

33.	Who are quacks? How are quacks classified?
	
	Ans. Quacks are people with no special training or license.
	Quacks can be classified into
	   a) An uniformed quack
	   b) A deluded quack.
		Who are quacks? How are quacks classified?
		
		Ans. Quacks are people with no special training or license.
		Quacks can be classified into
		   a) An uninformed quack
		   b) A deluded quack.

****

ENGLISH

Page no.	Question no.	Error	Correction
119	33	(Answer is missing)	Ans: (b) The sea
122	59	Ans: b) Tuberculosis	Ans: a) Typhus
124	88	Ans: d) Thrilled	Ans: b) Impressed
137	217	Ans: c)Because he was willing to marry Bholi despite her shortcomings	Ans: a) Because he was very rich
139	261	D) will have lived	D) shall have been living
147	313	A. He proposed that we had dinner there	A. He proposed that we should have dinner there
	318	Ans: D	Ans: B
	319	Ans: D	Ans: A
148	326	B. He said, "I left the day before yesterday."	B. He said, "I left two days ago."
149	334	C. He said, "You do not worry." OR He said to me, Do not	C. He said to me, "Do not worry."
180	7	(The question is out of syllabus)	(Remove both the question and the answer.)

KHASI

Multiple Choice Questions.

Kot: Ki Dienjat jong Ki Longshuwa
Correction of errors:
Lynnong – Ki Mawbynna, Ki mawniam bad ki kor

35. Ha ka por aïu la thung ïa ki Mawklim?

(A) Ha ka por leit on thang

(B) Ha ka por lehñiam thep Mawbah

(K) Ha ka por ba tei ïaka kpep

(D) Ha ka por lehñiam thep mawshyieng

Jubab – B

35. Ha ka por aïu la thung ïa ki Mawklim?

(A) Ha ka por leit on thang

(B) Ynda la pyndep ïaka kñia jingsang

(K) Ha ka por ba tei ïaka kpep

(D) Ha ka por lehniam thep mawshyieng

Jubab – B
Correction made in answer (B)

37. Ïa ki shyieng ba la sait, niad pyrkhing la song ha I jaiñ sala bad sa leit thep ha:
(A) Mawshyieng

(B) Mawbah

(K) Kpepbah

(D) Mawkjat

Jubab – A

37. Ïa ki shyieng ba la sait, niad pynrkhiang la song ha I jaiñ sala bad sa leit thep ha:
(A) Mawshyieng

(B) Mawbah

(K) Kpepbah

(D) Mawkjat

Jubab – A

Correction made in spelling error 'pynrkhiang' instead of 'pyrkhing'.

Kot – ki Phawer u Aesop
LYNNONG – U Myrsiang Samla

54. Balei u myrsiang u la pynbeit ïa ki para myrsiang ban shaiñ noh ïa la ki tdong?
(A) Ban kylluid met

(B) Ban shngaiñ ïalade

(K) Ban sngew pyngngad

(D) Ban lait naka jingshitom

Jubab - B

54. Balei u myrsiang u la pynbieit ïa ki para myrsiangban shaiñ noh ïa la ki tdong?
(A) Ban kylluid met

(B) Ban shngaiñ ïalade

(K) Ban sngew pyngngad

(D) Ban lait naka jingshitom

Correction made in spelling error 'pynbieit' instead of 'pynbeit'.

LYNNONG- Ki wah bad ka duriaw

57. "Tuid noh shawei kat shaba phi mon." Ïano la hukum ban tuid noh kat sha ba mon?
(A) Ïa ki wah

(B) Ïa ki wah rit

(K) Ïa ki wah bah

(D) Ïa ka duriaw

Jubab – A

57. "Tuid noh shawei kat shaba phi mon." Ïano la hukum ban tuid noh kat sha ba mon?
(A) Ïa ki wah

(B) Ïa ki wah rit

(K) Ïa ki wah bah

(D) Ïa ka duriaw

Jubab – K

Correction made in answer. Answer should be
(K) not (A)

KOT – NA MIHNGI – SEPNGI

91. Ki hynmen bad para shynrang jong ka kynthei ïa u kurim jong ka ki dei kumno?
(A) Kynsi

(B) Kynum

(K) Mynkew

(D) Bakha

Jubab – B

91. Ki hynmen bad para shynrang jong ka kynthei ïa u kurim jong ka ki dei kumno?
(A) Kynsi

(B) Kynum

(K) Myngkew

(D) Bakha

Jubab – B

Correction made in option (K) Mynkew to Myngkew

Kot - Hints On the Study of khasi Language
101. Ka dngiem ba heh_____ ka don ha khlaw. Da kano ka Adverb phin buh ha ka jaka basuda?
(A). 7 aka 7p

(B). Saphu

(K). Salit

(D). Saktup

Jubab – B

101. Ka dngiem ba heh_____ ka don ha khlaw. Da kano ka Adverb phin buh ha ka jaka basuda?
(A). Satlip

(B). Saphu

(K). Salit

(D). Saktup

Jubab – B

In Option (A), printout answer appeared as (7 aka 7p), hence corrected thus.

----

102. Ha kano na kine ki senten phin pyndonkam ia ka Adverb 'Tmang'?

A. I Mei I _____ ban shong marwei

B. U khynnah u ialehka 7 aka_____

K. Ki briew ki don _____ha surok

D. Ka kali ka _____ ha lynti

Jubab – A

102. Ha kano na kine ki senten phin pyndonkam ia ka Adverb 'Tmang'?

A. I Mei I _____ ban shong marwei

B. U khynnah u ialehkai_____

K. Ki briew ki don _____ha surok

D. Ka kali ka _____ ha lynti

Jubab – A

In Option (B), printout answer appeared as (7 aka), hence corrected thus.

Kot – ka Jingsneng Tymmen

26. "Lada phi tip phi kyrpad Blei makna." Balei kita ki jingkyrpad Blei kim myntoi ïa phi kumba la kdew da u R.S. Berry ha ka Lynnong XXXVI?

26. "Lada phi tip phi kyrpad Blei makna." Balei kita ki jingkyrpad Blei kim myntoi ïa phi kumba la kdew da u R.S. Berry ha ka Lynnong XXXV?

Correction made in Lynnong – XXXV instead of XXXVI.

LYNNONG – Ka Trei ka Ktah ha Ri Khasi Jaiñtia

1. "Ka long ka kper Eden jong ka ri khasi jaiñtia." 1 **x 4 = 4**
   Ïa ka thain aiu la khot ka kper Eden jong ka ri khasi jaiñtia?

   i. Balei la khot ïaka kumta?

   ii. U soh aïu uba pyndeng piengksiar ïa kata ka thaiñ?

   iii. Balei kata ka thaiñ ka riewspah shibun ha ki por ba mynshuwa?

5. "Ka long ka kper Eden jong ka ri khasi jaiñtia." 1 **x 4 = 4**
   i. Ïa ka thain aiu la khot ka kper Eden jong ka ri khasi jaiñtia?

ii. Balei la khot ïaka kumta?

iii. U soh aïu uba pyndeng piengksiar ïa kata ka thaiñ?

iv. Balei kata ka thaiñ ka riewspah shibun ha ki por ba mynshuwa?

Correction of the sequence of questions
----

6. "Don ki kynthei ki bat bit bha ban shna ki kynja khiew khyndew."   **1 x 4 = 4**
   i. Ïa ki khiew khyndew ba la khot kumno ba ngi dang pyndonkam haduh mynta?

   ii. Na ka shnong aiu la pynmih bun ïa ki?

   iii. Nangno kata ka shnong ka ioh khyndew ban shna ïa ki?

   iv. Balei haba shet jingshet kita ki khiew khyndew kim pait?

   Jubab:
   i. Khiew ranei bad pliang saraw
   ii. Na ka shnong Larnai
   iii. Na ka them ba la khot "sung"
   iv. Namar ba la khleh lang khyndiat bad ka "dewnar" kaba ki khot ka dew khluit

6. "Don ki kynthei ki ba tbit bha ban shna ki kynja khiew khyndew."   **1 x 4 = 4**
   i. Ïa ki khiew khyndew ba la khot kumno ba ngi dang pyndonkam haduh mynta?

   ii. Na ka shnong aiu la pynmih bun ïa ki?

   iii. Nangno kata ka shnong ka ioh khyndew ban shna ïa ki?

   iv. Balei haba shet jingshet kita ki khiew khyndew kim pait?

   Jubab:
   i. Khiew ranei bad pliang saraw
   ii. Na ka shnong Larnai
   iii. Na ka them ba la khot "sung"
   iv. Namar ba la khleh lang khyndiat bad ka "dewnar" kaba ki khot ka dew khluit.

   Details of Answers (ii) and (iv) not mentioned in the chapter.