Vidyasagar University

SANTALI

(Honours & General)

Under Greduate syllabus

3 – Tier Examination Patterns

w.e.f. 2014-2015

REVISED

Vidyasagar Unuversity,

Midnapore – 721102,

West Bengal

B.A. Honours in Santali.

B. A. Honours in Santali Three Tier course will comprise three parts, previous year will, First(I) part, second year will second(II) part and Final year will be Third (III) part, which will have each paper of (90+10) 100 Marks, 90 Marks are allotted for final exam and 10 Marks are allotted for Internal Assessment Exam. Pass Marks will be as aggregate 36+4 = 40 Marks in each paper. Each paper Final written Exam will be of Three Hours and Internal Assessment Exam. of 45 Minutes duration will be held.

Paper	Part	Subject(s)
Paper – I	I	Origin of Santali Language and Austric language family Linguistic.
Paper – II	I	History of Santali Literature.
Paper – III	II	Santali Folk Literature.
Paper – IV	II	Santali Poetry.
Paper – V	II	Santali prose – short story & long story (Novel).
Paper – VI	III	Santali Drama – short & long Drama
Paper – VII	III	Santali Literary Essays
Paper – VIII	III	Santali theory of Literature.

Distribution of Marks

(2x15=30) (a) Two long descriptive/Analytical question – 2x15=30/2x14=28/1x5=5

(3x10=30) (b) Five/ Four short critical question   - 5x8=40/4x8=32/1x2=2

(6x5=30) (c) Five/Six very short critical question   - 5x4=20/6x5=30/2x1.5=3

B.A. Hons Santali Part – I

Paper – I

Time – 4 Howrs   Full Marks – 90+10(I.A.)=100

Pass Marks –   =40

Subject:- Origin of Santali Language & Austric Language Family

1. Origin of Santali Language.

(a) Origin of Santali Language, characteristics of Santali language.

(b) Descriptive thought of Munda language.

(c) Descriptive thought of Ho or Kol language.

(d) Descriptive thought of Other Austric language family – Bhumij, Birhor, Mahls. Paharia, Koda, Korku, Juaug, Khariya, Sabar.

2. Role of cristan Missionaries in Santrali Language Development.

    (a) Bibles Translation.

    (b) Grammar and Dictionary writing.

    (c) Paper and Magazine publication.

    (d) Use of different symbol for sound expression In Santali Language.

3. Grammar

    (a) Santali vowel and Consonant, Santali Pronunciations.

    (b) Santali word and word formation – Prefix, Infix and Suffix and punctuation

    (c) Santali part of speech – Noun, Pronoun, Adjective, Verb, Adverb, Preposition, Conjunction, Interjection and Santali special word ……..Number, gender, case, Person etc.

    (e) Characteristics of Santali grammar.

 4. Linguistic and Santali Linguistic.

Distribution of Marks

(a) Two long descriptive/ Analytical question – 2x15=30/1x5=5

(b) Five short critical question   - 5x8=40/1x2=2

(c) Five Very short question   - 5x4=20/2x1.5=3

Reference Books.

1. Bhasar Itibrita – Dr. Sukumar Sen.

2. Santali – The base of world language – Parimal Mitra.

3. Lingustic survey of India – Vol. – 1V – G.A.Grierson.

4. An Introduction to the Santali Language – Rev. Jarmiya Philips.

5. Encyclopedia Mundarica – Rev. Hoffman.

6. Munda and their country – S.C.Roy.

7. Kol totha Ho Bhasar Byakaran – Kartik Chandra Banda

8. Modern Santali Grammar – Sadhan Kumar Mandi

9. Ronor -   Pd. R.N. Murmu.

10. Santari Renor   – Dr.Ratan Hembram.

11. Nahak Santali Beyakaran – Sanatan Hansda.

12. Ad Parsi   – Babulal Murmu, Adibasi

B.A. Hons. Santali – Part – I

Paper – II

Time:- 4 Hours.   Full Marks – 90+10 (I.A)=100

Pass Marks –   =40

Subject: History of Santali Literature

1. History of Santali Literature
   (a) Ancient Santali Literature –   Before Santali written Literature 1845.
   (b) Medival Santali Literature –   Previous Missionary period Literature from Year

   Missionary period Literature- 1845 A.D. to 1889 A.D.

   Lateral Missionary period Literature from year
   1890 A.D.to 14th Aug. 1947.

   (c) Modern Santali Literature -   From 15th Aug. 1947 to till Date.

2. Santali prominent writer
   (a) Rev. Jarmiya Phillips   (b) Rev. L.O. Skrefsrud   (c) Rev. P.O. Bodding
   (d)Majhi Ramdas Tudu   (e) Sadhu Ramchand Murmu (f) Pd. R.N. Murmu.

Distribution of Marks

(a) Two long descriptive / Analytical question – 2x15=30/1x5=5

(b) Five short critical question   - 5x8=40/1x2=2

(c) Five very short critical question   - 5x4=20/2x1.5=3

Reference Books.

1. Santali Sahityer Sankhipta Porichay – Parimal Hembram.
2. Santali Sahityer Itihas   - Dhirendranath Baskey.
3. Santali Bhasa O Sahitya   - Doman Sahu. Samir.
4. Santali Sanwhed Nagam   - Parimal Hembram.
5. Santali Sanwhed Nagam   - Dr. Damayanti Besra
6. Santali Grammar   - Dr. Ratan Hembram.

B.A. Hons. Santali Part – II

Paper – III

Time:- 4 Hours

Full Marks – 90+10(I.A.)=100

Pass Marks –   =40

Subject : Santali Folk Literature.

Definition, Kinds, Characteristics, Study method of folk Literature.

(a) Santali folklore – Religious – Baha, Sahray, Danshay,Karam, Dahar
   Social – Dong, Langre, Pata, Narrativs.

(b) Santali folktales – Interested only 10 tales – (i) Lelha Janway Gomke (ii) Hor ar kul reak Katha. (iii) Bana ar Meram Kasi. (iv) Tuyu Bichar echhindaw ked a (v) Papi Kurireyak Katha. (vi) Kanra ar Gunja. (vii) Jhonre ar Bajun. (viii) Hatiar Much (ix) Tarup ar ray barak Katha. (x) Bana ar Kul reyak' Katha.

© Binties – Jomshim, Chatiyear, Bapla, Bhandan, Karam,
Jadav Patkar and compare with Mansa Mangal.

(d) Santali Kudum (Riddle), Men katha (Idioms) Bhenta Katha (Phrase)

Distribution of Marks.

(a) Two long descriptive analytical question – 2x15=30/1x5=5
(b) Five short critical question   - 5x8=40/1x2=2
(c) Five very short critical question   - 5x4=20/2x1.5=3

Reference Books.

1. Santali Gan o Kabita Sankalan — - Sahitya Akademi.
2. Har Seren'   - Babulal Murmu.
3. Dong' Seren'   - Bhagwat Murmu Thakur
4. Devi Danshay   - Babulal Murmu Adivasi.
5. Baha Seren'   - Balaram Tudu.
6. More sin' more n'ida   - Ed. Rup Chand Hansda.
7. Santali Folk tales 3-Vol.   - Rev. P.O. Bodding.
8. Folk tales of the Santal Pargana - C.H. Bompass

9. The Santals   - Charulal Mukharjee.
10. Simanta Banglar Lok Kahani   - Dr. Subhas Bandopadyay.
11. Mit say mit Kahinir Bhumika   - W.B. Govt.
12. Santari Har seren' re sanwhid ar Lakchar   - Dr. Ratan Hembram.
13. Bhenta Kotha   - Dhirendranath Baskey
14. Bhenta Katha   - Siran Murmu.

B.A. Hons. Santali – Part – II

Paper – IV

Time – 4 Hours   Full Marks – 90+10(I.A.) = 100

                                          Pass Marks 36+4   = 40

Subject :- Santali poetry.

(a) Kherwal Bansha Dhorom Puthi – Selected song & poem   - Majhi Ramdas Tudu.
    (1 to 10)

(b) Baha Dalwak (i)Atuk'duk godo(ii)Setak' (iii) Herem   - Paul Jijhar saren.

(c) Anal Mala (i) Bharam Nasaw(ii) Dhinki (iii)Har re Hesak'   - Sadhu Ramchand Mumu.

(d) Lakchar seren' – All – Joto   - Pd. R. N. Murmu.

(e) Setak' (i) Setak'(ii) japud din (2),(iii) Seter Somoy   - Doman Sahu Samir.

(f) Chhita/ Say Serma Anarhe – (i) Arang Baha(ii) Abonag Arang

                     (iii) Thakur re Mone Rebedme - Nayke Mangal Saren.

(g) Chand mala (i) Akal(ii)Nuruk Ko Sakam(iii) Champa Gar   - Gorachand Tudu.

(h) Kirtan kali (i) Khet-Khary Re Dela Nayo (ii)Tokayenam
    towadara (iii) Dela Re Dela   - Narayan SarenToresutam.

(i) Ebhen Arang (i) Sengel Hobor Katan' Daran Kana (ii) Setak'
    N'en'el (iii) Danshay Kunami   - Thakur Prasad Murmu.

(j) Lahag Harre (i) Lahag Harre(ii) Ale Atu (iii)Ayo   - Sarada Prasad Kisku.

Distribution of Marks.

(a) Two long descriptive/ Analytical Question   - 2x15 = 30/1x5 =5
(b) Five short critical questions   - 5x8 = 40/1x2 =2
(c) Five very short questions   - 5x4 = 20/2x1.5 =3

B.A. Hons. Santali – Part – II

Paper – V

Time – 4 Hours

Full Marks – 90+(I.A.) =100

Pass Marks – = 40

Subject :- Santali Prose – Short story and long story (Novels)

(a) Selected short stories
- (i) Khuni Matkom Dare   - Thakur Prasad Murmu.
- (ii) Mama Orag   - Gomasta Prasad saren.
- (iii) Shanti   - Premchand –(Translated) S.C. Hembrom.
- (iv) Hiram Sikir   - Durbin Saren
- (v) DAk' Lo Ghatre   - Sneha Lata Mandi.

(b) Long story – Novel.
- (i) Sobha ak' Kuk'mu – Badal Hembram.
- (ii) Atu Orak'   - Doman Hansda.
- (iii) Mati may   – Modan Mohan Mandi

(c) Translated Literature – Selected – 5 each.
   (i) Seren' sepen' – Rabindranath Thakur.
   (ii) Pushi   - Bankimchandra – (Translated) Dilip saren.

Distribution of Marks

(a) Two long Descriptive/Analytical question – 2x15=30/1x5=5
(b) Five short critical questions   - 5x8=40/1x2=2
(c) Five very short questions   - 5x4=20/2x1.5=3

B.A. Hons. Santali Part – III

Paper – VI

Time – 4 Hours

Full Marks – 90+10(I.A.)=100

Pass Marks – = 40

Subject : Santali Drama – Short Drama & Long Drama

1. Short Drama.

(i) Maya sutam – Badal Hembram.

(ii)   Mit Bigha Hasa – Joytilal Hansda.

(iii)   Sagun   - Parimal Hembram.

2. Long Drama.

(i)   Bidu Chandan – Pd. R.N. Murmu.

(ii)   La-Bir   – Jadu nath Tudu

(iii)   Sansar Phend   - Sadhuram Chand Murmu.

3. Characteristics of Drama, Tragedy, Comedy

Distribution of Marks

(a) Two long Descriptive/Analytical question – 2x15=30/1x5=5

(b) Five short critical questions   - 5x8=40/1x2=2

(c) Five very short questions   - 5x4=20/2x1.5=3

B.A. Hons. Santali – Part - III

Paper – VII

Time – 4 Hours

Full Marks – 90+10(I.A.)=100

Pass Marks –   = 40

Subject : Santali Literary Essays.

1. Judasi Anal Mala   – Sarada Prasad Kisku.

2. Nahak' Santali Anal – Babulal Murmu.

3. Santali Ganang   – Digambar hansda.

4. Santali Anal Mala   – Mahadev Hansda.

Distribution of Marks.

(a) Two long descriptive/Analytical question – 2x15=30/1x5=5

(b) Five short critical questions   - 5x8=40/1x2=2

(c) Five very short questions   - 5x4=20/2x1.5=3

B.A. Hons. Santali – Part – III

Paper – VIII

Time – 4 Hours.

Full Marks – 90+10(I.A.) =100

Pass Marks –   = 40

Subject : Santali theory of Literature.

1. General Concept of Literature, Definition of Literature.
2. Aim of Literature, Importance of Literature.
3. Elements of Literature –

   Poetry – Kabya, Mahakabya, gitikabita

   Prose – Short story, Long story (Novel), Short Drama, Long Drama, Essays, Biography & Auto Biography, Journey, report, Critiusm, etc.
4. Western and Indian Literary is in – Classicism, romanticism, realism, Symbolism.
5. Theoretical study of Santali Literature – Poetry & prose – song, Poem, Short story, long story (Novel), Drama, essays, Biography, Journey, Report Criticism.
6. Santali.
   - (i)   Word power
   - (ii)   Ras (Rasa)
   - (iii)   Chhanda (chhanda)
   - (iv)   Alankar (Abharan)
7. **Project work - Field work based – 20 – F.W. + 10 (Interview)**

Distribution of Marks

(a) Two long Descriptive/ Analytical question – 2x14=28/2x15=30/1x5=5

(b) Five short critical questions   - 4x8 =32/ 5x8 = 40/1x2=2

(c) Five very short questions   - 6x5 =30/5x4=20/2x1.5=3

Reference Books:

1. Sahitya Sandarsan   – Shris Das.
2. Studies of literature   – Hudson.
3. Sahityer Rup Riti   – Ujjawal Kumar Majumdar.
4. Santali Sanwhed Reyak Itihas   – Shusil Hembram.
5. Nahak' Santali Anal   – Babulal Murmu 'Adibasi'
6. Santali Sahityer Itihas   – Parimal Hembram.
7. Santali Bhasa O Sahityer Itihas – Dhirendranath Baskey.
8. P.O. Bodding Ak' Jiyan Katha   – Dr. Basudev Besra.
9. Santari Ganang   – Digambar Hansda.

B.A. (Pass) Santali – Part – I

Peper – I

Time – 3 Hours

Full Marks – 90+10(I.A.)=100

Pass Marks   = 30

Subject: Santali language, Literature, Grammar & Linguistics

A – Language

(i) Origin of Santali languages Characteristics of Santali language.

(ii) Comparative study of Santali language along with Austric, language such as – Munda, Hoor, Kol, Bhumij, Birhor, Mahli.

B – History of Santali Literature.

(i) Ancient period Santali literature- Before the written Litterature 1845.

(ii) Medieval period Santali literature missionary period Santali literature previous Missionary period literature form year 1845 A.D. to 1889A.D. lateral Missionary period literature from year 1890 A.D. to 14th Aug. 1947 A.D.

(iii) Modern period Santali Literature -from 15th Aug. 1947 A.D. to till date.

C – Santali Grammar & linguistics.

(i) Santali Vowel and Consonant, articulation of Santali Vowel & Consonant.

(ii) Santali wards, wards formation by prefix, infix and suffix.

(iii) Santali part of speech, Number, Gender, Person and case.

(iv) Santali sentence, classification of sentence and Punctuation.

(v) Santali Genera linguistics phonology, morphology syntax and sementics.

Distribution of Marks

(a) Two long Descriptive/ Analytical questions – 2x15=30/1x5=5

(b) Five short critical questions   - 5x8=40/1x2=2

(c) Five very short questions   - 5x4=20/2x1.5=3

Reference Books

1. Paschim Banger Adibasi Samaj – Dhirendranath baskey
2. The Tribes and cast of Bengal (Vol.-2)   – W.H. Risley.
3. The Austric of India- Their religions & Tradition   – K.P.Bagchi.
4. An Introduction to Santali language   – Rev. Jarmiya Philips.
5. An Introduction to Santali (Grammer & Vocabulary) – R.M. Mcphail.
6. Linguistic Survey of India (Austric group) Vol.IV   - G.A. Grierson.

7. The Tribal religion	– J.Troise.
8. The Santal	– N.Dutta Mujumder.
9. The Santal	– Charulal Mukharjee.
10. Santali Sahityar Itihas	– Dhirandanath Baskey.
11. Santali Sahityar Itihas	– Parimal Hembram.
12. Adhunik Bhasha Bigyan	– Bholanath Tiwary.
13. Ronor	– Pt. Raghunath Murmu.
14. Santali Ronor	– Dr. Ratan Hembram.

B.A. General (Pass) – Part – II

Paper – II

Time – 3 Hours   Full Marks – 90+10(I.A.)=100

Pass Marks –   = 30

Subject : Santali Folk Literature

1. Santali Folk songs Dong, Langre, Baha, Sahray, Danshay, Karam, Dahar.
2. Santali folk tales – Selected any 10.
   - (i)   Merom, Kul, Bana and tutya
   - (ii)   Bul Horag' Katha
   - (iii)   Kinsar Haram Do Jom Raja Ko Ar Idikede Reyak'
   - (iv)   Bachkom Chet Leka Janam Lena
   - (v)   A~yay Boyha ar Midtang'Miscra
   - (vi)   Boyha Ko Bapla led Kin Reyak
   - (vii)   A~yay Lelha Kora Reyak' Katha
   - (viii) Hon'harya Reyak' Katha
   - (ix)   Raj ar Eyay Goten Rani Reyang'
   - (x)   Bambare are Gidi Reyang'
3. Santali Riddle (Kudum), Idioms (Menkatha), Phrase (Bhenta Katha).
4. Santali Binties (Karam Binti & Jomsim Binti) and compare with Bengali folk tales.
5. **Project work (collection of Santali folk Literature) –By the guidance of teacher.**
   (20 – F.W. + 10 Interview)

Distribution Marks.

(a) Two long Descriptive / Analytical question – 2x15=30/1x5=5

(b) Five short critical questions   – 5x8=40/1x2=2

(c) Five very short questions   – 5x4=20/2x1.5=3

Reference Books

1. Dong seren' – Hihiri –Pipiri – Rupchand Hansda.
2. Dong seren' – Bhagwat Murmu Thakur.
3. Longre seren' – Babulal Murmu Adibasi'
4. Baha seren' – Balaram Tudu.
5. Sohray Seren' –Moresin' More Ninda – Et. Rupchand Hansda.
6. Danskay Seren'-Devi Donshry – Babulal Murmu Adibasi.
7. Santali Gan O Kabita Sankalan – Sahitya Akadamy.
8. Santali Gan O Kabita Sankalan – Sahitya Akadamy.
9. Santari Hor seren' Re sanwhed ar Lokchar – Dr. Ratan Hembram.
10. Santali Folk tales – Rev. P.O. Bodding.
11. Mare Hor Kahni – Dhirendranath Baskey.
12. Lok Kahni – Bhagwat Murmu Thakur.
13. Folk lore of the Santal parganas – C.H. Bonpas.
14. Kudum Muray – gour Murmu.
15. Kudum Re Kurid –Kurid – Dhirendranath Baskey.
16. Bhenta Katha – Dhirendranath Baskey.
17. Bhenta Katha – Siran Murmu.
18. Santali Kudum, Men Katha-Bhenta Kotha – Kanhaylal Tudu.

Project Work – Folk songs, Folk tales, Binties, Bankher, Kudum, Menkatha, Bhenta Katha etc.

B.A. General (Pass) Santali – Part – II

Paper – III

Subject : Santali Literature.

Time – 3 Hours   Full Marks – 90+10(I.A.)=100
                                                        Pass Marks – 30

1. Santali Poems – Selected - 7
   (a) Dhinki   – Sadhu Ramchand Murmu.
   (b) Bubul Bonga Hunshid – Doman Sahu Samir.
   (c) Ale Atu   – Sarada Prasad Kisku.
   (d) Dawshay Kunami   – Thakur Prasad Murmu.
   (e) Chedak'   – Shyam Charan Hembrom.
   (f) Kupuli   – Narayan Soren Toresutam'

(g) Abhagiya   – Gorachand Tudu.

(h) Dhorom Nasaw   - Sadhuramchand Murmu.

2. Santali Prose – Short Story.

(a) Mama Arak'   – Gamasta Prasad Soren.

(b) Sikhnat   – Upen Kisku.

(c) Khuni Matkom Dare – Thakur Prasad Murmu.

(d) Bul har ar Athor   – Doman Sahu Samir.

3. Santali Prose – Long story (Novel).

(a) Sobha Ak' Kukmu – Badal Hembram.

(b) Atu Arak'   – Doman Hansda.

4. Santali Prose   – Drama.

(a) Mit Bigha Hasa – Jyotilal Hansda.

(b) Dan – Tilak Hembram.

(C) Darege Dhon   – Pt. R.N. Murmu.

5. Santali Literary Essays.

(a) Langre Seren'   – Nahak' Santali Anal.   – Babulal Murmu Adibasi.

(b) Santali Parsi ar Sanwhed – Judasi Santali Anal Mala – Sarada Prasad Kisku.

(c) Santali Sahitya ar Ing – Sarada Prasad Kisku

Distribution of Marks

(a) Two long Descriptive/ Analytical question – 2x15=30/1x5=5

(b) Five short critical question   – 5x8=40/1x2=2

(c) Five very short critical question   – 5x4=20/2x1.5=3

Reference Books.

(1) Sadhu Ramchand Murmu anal Mala – W.B. Government.

(2) Say Serma renak' anarhe   – W.B. Govt.

(3) Mit Say Mit Kahni   – W.B. Govt.

(4) Nahak' Santali Anal   – Babulal Murmu Adibasi'

(5) Judasi Anal Mala   – Kabi Sarada Prasad Kisku.

(6) Santali Anal Mala   – Mahadev Hansda.

B.A. General (Pass) Santali – Part – III

Paper – IV

Time – 3 Hours   Full Marks – 90+10(i.A.)=100

Pass Marks – 30

Subject : Special Subject – Santali Prominent writers.

Santals Figters life story.

(a) Majhi ramdas Tudu.   (f) Sido – Kanhu- Chand –Bhayro.

(b) Sadhu Ramchand Murmu   (g) Tilka Majhi.

(c) Pandit Ragunath Murmu.   (h) Diba Kisun.

(d) Doman Sahu Samir.   (i) Bir Bajal.

(e) Rev. P.O. Bodding.   (j) Sam Pargana.

Distribution of Marks.

(a) Two long Descriptive / Analytical question – 2x15=30/1x5=5

(b) Five short critical questions   – 5x8=40/2x1=3

(c) Five very short critical questions   – 5x4=20/2x1.5=3

Reference Books.

1. Santali Sanwhed Reyak' Itihas – Shusil Hembram.

2. Nahak' Santali Anal   – Babulal Murmu.

3. Santali Sahityer Itihas   – Parimal Hembram.

4. Santali Bhasa O Sahityer Itihas – Dhirendranath Hansda.

5. P.O. Bodding Ak' Jiyon Katha   – Dr. Basudev Besra.

6. Santali Ganang   – Digambar Hansda.

ᱨᱟᱺᱞᱚᱜᱢᱟᱭ ᱩᱟᱛᱩᱟᱝᱜ

ᱩᱟᱯᱯᱢᱞᱯᱝᱜᱟᱥ ᱬᱰᱜᱚᱚ ᱩᱟᱯᱯᱟ. ᱜᱟᱥ, ᱩᱟᱯᱟᱞᱟᱵᱟᱭ – ᱞᱠᱡᱞᱚᱞ, ᱮᱵᱜᱟᱟᱩ ᱩᱟᱚᱩᱨᱟ

ᱟ.ᱭᱵ ᱟᱝᱜ ᱵᱟᱮᱞᱮᱟᱝ ᱮᱟᱡᱩᱟᱝᱭ ᱩᱟᱝᱟᱝ

ᱴᱳ ᱨᱯᱥᱩᱟ ᱵᱟᱜᱟ. – ᱩᱟ. ᱯ. (ᱝ.ᱵᱟᱯ ᱟᱩᱟᱝᱟᱞ) ᱩᱟ.ᱮᱟᱞ ᱨᱟᱞᱚᱝᱟᱨ ᱟᱯ

ᱩᱟ. ᱯ. (ᱝ.ᱵᱟᱯ ᱟᱩᱟᱝᱟᱞ) ᱩᱟ.ᱮᱟᱞ ᱨᱟᱞᱚᱝᱟᱨ ᱟᱯ ᱴᱯ ᱨᱯᱥᱩᱟ ᱵᱟᱜᱟ. ᱴᱟᱡᱩᱟᱝᱭ ᱩᱟᱝᱟᱝ ᱟᱯ ᱴᱯ ᱩᱵᱟᱴᱟ. ᱚᱟᱩᱯᱮ ᱵᱟᱞᱟᱝ, ᱴᱵᱜᱯᱜ ᱨᱯᱥᱩᱟ ᱯᱝ ᱴᱵᱜᱯᱜ ᱩᱵᱢᱴᱟ. ᱯᱝᱞᱟᱝ ᱨᱯᱥᱩᱟ ᱯᱝ ᱯᱝᱞᱟᱝ ᱩᱵᱢᱴᱟ. ᱟᱝ ᱩᱵᱯᱟ.ᱯ ᱨᱯᱥᱩᱟ ᱯᱝ ᱚᱯᱞᱟᱝᱝ ᱩᱵᱢᱴᱟ. ᱚᱟᱩᱯᱮᱟ, ᱬᱟᱩᱟᱥ ᱯᱝᱜᱟᱝᱜ ᱨᱟᱞᱮᱟᱩ ᱨᱟᱵᱟᱩ ᱯᱝ (ᱜᱚ+ᱞᱚ) ᱞᱚᱚ ᱯᱯᱯᱯ ᱩᱵᱜᱵᱜᱼᱟ, ᱜᱚ ᱯᱯᱯᱯ ᱯᱝ ᱩᱵᱯᱟ.ᱯ ᱩᱟᱩᱟ.ᱭ ᱩᱟᱝᱵᱯᱟᱝ ᱩᱵᱢᱴᱟ. ᱚᱟᱩᱯᱮᱟᱝ ᱟᱝ ᱞᱚ ᱯᱯᱯᱯ ᱯᱝ ᱩᱟᱯᱚᱟᱨ ᱚᱯᱜᱟᱝᱜ ᱩᱟᱩᱟ.ᱭ ᱩᱟᱝᱵᱯᱟᱝ ᱚᱟᱩᱯᱮᱟᱝᱤ ᱴᱟᱡᱝᱩᱟᱜ ᱯᱯᱯᱯ ᱯᱝ ᱬᱟᱡᱟᱝ ᱵᱟᱚᱚ – ᱪᱞᱜ +ᱜ = ᱜᱚ ᱯᱯᱯᱯ ᱬᱟᱚᱝ ᱨᱟᱵᱟᱩ ᱟᱯ ᱚᱟᱩᱯᱮᱟᱝᱤ ᱬᱟᱚᱝ ᱨᱟᱵᱟᱩ ᱵᱟ ᱯᱝᱜᱟᱝᱜ ᱩᱵᱯᱟ.ᱯ ᱟᱯ ᱩᱟᱩᱟ.ᱭ ᱯᱝ ᱲ ᱬᱟᱡᱟᱝᱜ ᱩᱵᱜᱵᱜᱼᱟ ᱟᱝ ᱩᱟᱯᱚᱟᱨ ᱩᱟᱩᱟ.ᱭ ᱯᱝ ᱜᱜ ᱬᱟᱡᱟᱬ ᱝᱵᱚᱝ ᱯᱝᱜᱟᱝᱜ ᱩᱵᱜᱵᱜᱼᱟ

ᱨᱟᱵᱟᱩ	ᱩᱵᱢᱴᱟ.	ᱨᱟᱚᱟᱩ ᱵᱝ
ᱨᱟᱵᱟᱩ – I	I	ᱨᱟᱞᱚᱝᱟᱨ ᱴᱟ.ᱝᱨᱟ ᱯᱝᱜᱟᱝᱜ ᱬᱟᱮᱟᱩ ᱟᱝ ᱟᱞᱬᱟᱵ ᱴᱟ.ᱝᱨᱟ ᱜᱟᱝᱟᱝᱹᱬᱝ
ᱨᱟᱵᱟᱩ – II	I	ᱨᱟᱞᱚᱝᱟᱨ ᱨᱟᱝᱩᱯᱯ ᱯᱝᱜᱟᱝᱜ ᱮᱟᱜᱟᱩ
ᱨᱟᱵᱟᱩ – III	II	ᱨᱟᱞᱚᱝᱟᱨ ᱩᱝᱡ ᱨᱟᱝᱩᱯᱯ
ᱨᱟᱵᱟᱩ – IV	II	ᱨᱟᱞᱚᱝᱟᱨ ᱝᱮᱝᱡᱩᱯ
ᱨᱟᱵᱟᱩ – V	II	ᱨᱟᱞᱚᱝᱟᱨ ᱵᱝᱚᱝᱝ ᱨᱟᱝᱩᱯᱯ – ᱵᱝ.ᱬᱟᱬ ᱵᱝ.ᱩᱮᱟ ᱟᱝ ᱬᱟᱯᱟᱬ ᱵᱝ.ᱩᱮᱟ (ᱜᱝᱩᱝᱩ)
ᱨᱟᱵᱟᱩ – VI	III	ᱨᱟᱞᱚᱝᱟᱨ ᱜᱝᱜᱝᱮ - ᱵᱝ.ᱬᱟᱬ ᱟᱝ ᱬᱟᱯᱟᱬ ᱜᱝᱜᱝᱮ
ᱨᱟᱵᱟᱩ – VII	III	ᱨᱟᱞᱚᱝᱟᱨ ᱨᱟᱝᱩᱯᱯ ᱝᱮᱝᱯ (ᱜᱝᱮᱟᱝ)
ᱨᱟᱵᱟᱩ – VIII	III	ᱨᱟᱞᱚᱝᱟᱨ ᱟ.ᱮᱝ.ᱝᱨ ᱨᱟᱝᱩᱯᱯ

ᱯᱯᱯᱯ ᱩᱟ.ᱬᱟᱬ ᱵᱝ

ᱩᱟᱝᱟᱝᱟ ᱬᱟᱯᱟᱬ ᱩᱟᱝᱝᱮᱝ ᱝᱮᱝᱜ/ᱝᱯᱮᱡᱝᱮᱟᱝ ᱝᱮᱝᱜ ᱵᱵᱵᱯᱨ - ᱮᱯᱢᱜ = ᱪᱚ/ᱮᱯᱢᱜ = ᱪᱮᱹ/ᱯᱢᱜ = ᱜ

ᱩᱝᱠᱯ/ᱴᱵᱮᱝᱟ. ᱵᱝ.ᱬᱟᱬ ᱝᱮᱝᱝ ᱵᱵᱵᱯᱨ   - ᱜᱝᱮ =ᱜᱚ/ᱜᱝᱮ=ᱪᱢ/ᱯᱝᱮ=ᱮ

ᱩᱝᱠᱯ/ᱚᱵᱝᱵᱜ ᱝ.ᱩᱨ ᱵᱝ.ᱬᱟᱬ ᱵᱵᱵᱯᱨ   - ᱜᱝᱜ = ᱮᱚ/ᱮᱯᱢᱜ = ᱪᱚ/ ᱮᱯᱢᱜ.ᱜ = ᱮ

ᱚᱞ. ᱒. (ᱫᱷᱟᱯ ᱫᱩᱵᱟᱫᱩᱯ) ᱩᱫ.ᱞᱚᱠ ᱠᱚᱞᱚᱫᱟᱨ ᱣᱚᱲᱫᱷ. – I

ᱠᱚᱵᱟᱬ – I

ᱫᱷᱚᱫ - ᱙ ᱱᱚᱲᱫᱷᱜ   ᱜᱚᱱ ᱡᱚᱯᱚᱯ – ᱦᱟ+ᱼᱟᱚ (ᱴ.ᱴ) = ᱼᱟᱚᱚ

                                          ᱛᱷᱚᱫᱩᱟᱜ ᱡᱚᱯᱚᱯ –   = ᱦᱚ

ᱠᱷᱚᱫᱷᱩ – ᱠᱚᱞᱚᱫᱟᱨ ᱛᱷᱷ.ᱫᱠᱟ ᱫᱩᱜᱷᱜ ᱱᱷᱞᱷᱩ ᱫᱷᱟ ᱫᱞᱷᱫᱟᱵ ᱛᱷᱷ.ᱫᱠᱟ ᱜᱷᱫᱩᱫᱷᱞᱷᱫ

ᱵ. ᱠᱚᱞᱚᱫᱟᱨ ᱛᱷᱷ.ᱫᱠᱟ ᱫᱩᱜᱷᱜ ᱱᱷᱞᱷᱩ –
   - ᱠᱚᱞᱚᱫᱟᱨ ᱛᱷᱷ.ᱫᱠᱟ ᱫᱩᱜᱷᱜ ᱱᱷᱞᱷᱩ, ᱠᱚᱞᱚᱫᱟᱨ ᱛᱷᱷ.ᱫᱠᱟ ᱫᱩᱜᱷᱜ ᱜᱷᱫ ᱵᱷ
   - ᱩᱵᱮᱛᱷ.ᱫᱟ ᱛᱷᱷ.ᱫᱠᱟ ᱫᱩᱜᱷᱜ ᱴᱷᱫᱞᱷᱫᱷ ᱫᱞᱷᱜ ᱴᱷᱲᱫᱷ.ᱫ
   - ᱣᱷ ᱵᱷᱯ ᱛᱷᱷ.ᱫᱠᱟ ᱫᱩᱜᱷᱜ ᱴᱷᱫᱞᱷᱫᱷ ᱫᱞᱷᱜ ᱴᱷᱲᱫᱷ.ᱫ
   - ᱛᱷᱫᱷᱜ ᱫᱞᱷᱫᱟᱵ ᱛᱷᱷ.ᱫᱠᱟ ᱜᱷᱫᱩᱫᱷᱞᱷᱫ ᱫᱩᱜᱷᱜ ᱴᱷᱫᱞᱷᱫᱷ ᱫᱞᱷᱜ ᱴᱷᱲᱫᱷ.ᱫ –
     ᱴᱷᱫᱵᱩᱫᱞᱷᱫ, ᱴᱷᱫᱫᱷᱫᱫ, ᱩᱫᱷᱣᱠᱟ

᱒. ᱠᱚᱞᱚᱫᱟᱨ ᱛᱷᱷ.ᱫᱠᱟ ᱵᱷᱞᱷ.ᱩ ᱫᱡ ᱵᱫᱷᱛᱷᱫᱷᱞ ᱩᱫᱫᱷᱞᱷᱫᱟᱨ ᱵᱷᱩᱷᱜ ᱩᱫᱣᱫᱷ
   - ᱴᱷᱫᱜᱴᱡᱠ ᱫᱩᱜᱷᱜ ᱤᱷᱫᱷᱱᱷᱩᱫᱷ
   - ᱫᱷᱞᱷᱫᱷ ᱫᱷᱟ ᱛᱷ.ᱫᱞᱜᱷ.ᱞ (ᱫᱷ.ᱫᱷ. ᱩᱵᱫᱷ.ᱞ) ᱫᱯᱷᱜ
   - ᱵᱷᱜᱷᱞᱷᱫ ᱫᱷᱟ ᱛᱷᱷᱤᱷᱫᱷᱩ ᱛᱷᱷᱫᱞᱷᱯ
   - ᱠᱚᱞᱚᱫᱟᱨ ᱛᱷᱷ.ᱫᱠᱟ ᱫᱡ ᱠᱚᱴᱷᱤ ᱠᱷᱞᱷᱫᱟ ᱯᱫᱷ.ᱜᱟᱞ ᱚᱪ ᱱᱷᱞᱷᱫᱷ. ᱱᱷᱞᱷᱫᱷ. ᱵᱷᱞᱷᱣᱫᱷ.

ᱩ. ᱫᱷᱞᱷᱫᱷ
   - ᱠᱚᱞᱚᱫᱟᱨ ᱫᱷᱫᱣᱷ ᱫᱟᱫᱷᱜ ᱫᱷᱟ ᱵᱫᱷᱞᱷᱤ ᱫᱟᱫᱷᱜ ᱛᱷᱷᱫᱟᱵᱷ ᱫᱷᱜᱷᱴ ᱠᱷᱜᱷᱞᱷᱞ ᱫᱷᱟ
     ᱚᱫᱷᱜᱷᱞᱷ
   - ᱠᱚᱞᱚᱫᱟᱨ ᱫᱷ.ᱫᱷ. ᱛᱷᱷ.ᱫᱠᱟᱞ ᱣᱚᱲᱫᱷ. – ᱜᱷᱞᱷᱵᱩ, ᱵᱷᱫᱷᱛᱵᱩ, ᱜᱷᱛᱷᱛ, ᱵᱷᱷ.ᱞᱷᱫ, ᱚᱫᱷᱞᱷᱫ,
     ᱚᱫᱷᱞᱷᱜ, ᱜᱷᱷ.ᱞᱷᱞ, ᱣᱷᱞᱷᱫᱷ, ᱫᱷᱟ ᱠᱚᱞᱚᱫᱟᱨ ᱱᱡᱞᱷᱞ – ᱯᱷᱵᱟᱫᱷ ᱱᱷᱞᱷᱫᱷᱜ, ᱯᱫᱷᱫᱷ,
     ᱜᱷᱫᱩᱞᱷ ᱡᱩᱫᱷᱞ
   - ᱠᱚᱞᱚᱫᱟᱨ ᱫᱷᱞᱷᱫᱷ ᱜᱷᱫ ᱵᱷ

᱙. ᱠᱷᱷᱞᱷᱤᱞ ᱫᱷᱟ ᱠᱚᱞᱷᱫᱷᱟᱨ ᱛᱷᱷ.ᱫᱠᱟ ᱠᱷᱷᱞᱷᱤᱞ

ᱡᱚᱯᱚᱯ ᱣᱷᱷ.ᱱᱷᱜ ᱵᱷ

ᱴᱷᱫᱫᱷ ᱱᱷᱞᱷᱫᱷ ᱴᱷᱫᱞᱷᱫ ᱫᱞᱷᱜ/ᱫᱷᱯᱷᱫᱷᱞᱷᱫ ᱫᱞᱷᱜ ᱵᱷᱵᱷᱠᱷ - ᱒ᱝᱯᱷ = ᱟᱚ/᱒ᱝᱯᱷ = ᱒ᱞ/ᱝᱝᱷ = ᱙

ᱩᱫᱦᱡ/ᱛᱷᱵᱞᱷᱫᱷ. ᱵᱷ.ᱱᱟᱭ ᱫᱞᱷᱫᱷᱱ ᱵᱷᱵᱷᱠᱷ   - ᱝᱝᱷᱯᱷ/ᱫᱡᱝᱫᱯᱷ=ᱫᱷᱫᱷᱷ

ᱩᱫᱦᱡ/ᱚᱵᱷᱵᱷᱜ ᱫᱷ.ᱴᱟ ᱵᱷ.ᱱᱟᱭ ᱵᱷᱵᱷᱠᱷ   - ᱝᱝᱝ = ᱒ᱚ/ᱝᱝᱷᱜ = ᱟᱚ/ ᱒ᱝᱝᱷᱜ = ᱙

Reference Books.

ᱜᱷᱟᱹ. ᱒. (ᱢᱳᱵᱷᱟᱹᱯ ᱢᱤᱴᱟᱜᱨᱟᱝᱡ) ᱩᱢᱟ.ᱞᱟᱱᱟ ᱠᱟᱱᱞᱳᱢᱟᱨᱟ ᱣᱵᱹᱜᱷᱟᱹ. – I

ᱠᱟᱵᱷᱟᱹᱩ – II

ᱢᱷᱳᱢ – ᱟ ᱧᱟᱲᱟᱝᱜᱺ

ᱜᱷᱲᱷ ᱪᱯᱪᱯ – ᱖ᱳ+ᱺᱳ (ᱛ.ᱛ) = ᱡᱳᱳ

ᱸᱟᱲᱺᱩᱟᱝᱜ ᱪᱯᱪᱯ – ᱺᱳ = ᱖ᱳ

ᱠᱟᱳᱝᱷᱩ – ᱠᱟᱱᱞᱳᱢᱟᱨᱟ ᱠᱟᱱᱩᱣᱱᱺ ᱱᱪᱞᱟᱝᱜ ᱞᱟᱝᱜᱟᱷᱩ

ᱺ. ᱠᱟᱱᱞᱳᱢᱟᱨᱟ ᱠᱟᱱᱩᱣᱱᱺ ᱱᱪᱞᱟᱝᱜ ᱞᱟᱝᱜᱟᱷᱩ

- ᱠᱪᱺᱟᱝᱞ ᱞᱟᱝᱜ ᱠᱟᱱᱞᱳᱢᱟᱨᱟ ᱠᱟᱱᱩᱣᱱᱺ – ᱠᱟᱱᱞᱳᱢᱟᱨᱟ ᱳᱯ ᱠᱟᱱᱩᱣᱱᱺ ᱒ᱳᱝᱣᱟᱸᱹ ᱺᱞᱮᱽ ᱩᱟᱢᱟᱝᱜ

- ᱳᱟᱱᱯᱟ ᱞᱟᱝᱜ ᱠᱟᱱᱞᱳᱢᱟᱨᱟ ᱠᱟᱱᱩᱣᱱᱺ – ᱩᱟᱝᱟᱝᱜ ᱩᱟᱠᱶᱞᱟᱱᱟ ᱢᱷᱳᱦᱞᱟᱝᱜ ᱠᱟᱱᱩᱣᱱᱺ
  – ᱺᱞᱮᱽ ᱟ. ᱠᱟᱱᱯ ᱷᱟᱝᱞ ᱺᱞᱮᱽ ᱟ. ᱠᱟᱱᱯ ᱹᱟᱝᱢ.ᱛᱟᱧ, ᱳᱟᱱᱞᱷᱩ ᱩᱟᱠᱶᱞᱟᱱᱟ ᱢᱷᱳᱦᱞᱟᱝᱜ ᱠᱟᱱᱩᱣᱱᱺ ᱺᱞᱮᱳ ᱟ. ᱠᱟᱱᱯ ᱷᱟᱝᱞ ᱺᱜ ᱢᱪᱢᱳᱠᱷ ᱺᱜᱞᱹ ᱹᱟᱝᱢ.ᱛᱟᱧ

- ᱠᱟᱩᱷᱝᱜ ᱠᱟᱱᱞᱳᱢᱟᱨᱟ ᱠᱟᱱᱩᱣᱱᱺ – ᱺᱜ ᱢᱪᱢᱳᱠᱷᱢ ᱺᱜᱞᱹ ᱷᱟᱝᱞ ᱞᱟᱳ ᱹᱟᱝᱢ.ᱛᱟᱧ

᱒. ᱜᱷᱹ.ᱷᱟᱽᱢ ᱢᱞᱢᱟᱣᱟᱞᱢᱹ. ᱢᱟ ᱢᱞᱞᱯᱟᱞᱢᱹ. ᱷᱟᱩᱝᱜ ᱸᱟᱸᱟᱢᱣᱞᱟ

- ᱱᱪᱷᱮ. ᱪᱯ. ᱩ. ᱪᱠᱷᱟᱛᱠᱟᱷᱛ
- ᱱᱪᱷᱮ. ᱸᱟᱹ. ᱩ. ᱣᱮᱷᱟᱠᱞᱜ
- ᱩᱢᱟ.ᱛᱟᱝᱟ ᱱᱟᱩᱹᱟᱹᱠ ᱧᱷᱷᱵ
- ᱠᱟᱹ.ᱹᱟᱽ ᱱᱟᱩᱬᱷᱹᱹᱺ ᱩᱵᱱᱩᱵ
- ᱸᱟᱹ. ᱱᱟᱹ.ᱜᱟᱽᱞᱟᱝᱳ ᱩᱵᱱᱩᱵ

ᱪᱯᱪᱯ ᱣᱢᱹ.ᱧᱟᱹᱠ ᱷᱟᱱ

ᱣᱟᱱᱷᱞᱟᱱ ᱱᱟᱹᱯᱟᱹᱠ ᱣᱟᱱᱞᱟᱝ ᱢᱞᱟᱝᱜ/ᱢᱹᱹᱜᱷᱯᱢᱞᱟᱱ ᱢᱞᱟᱝᱜ ᱷᱷᱷᱯᱟᱹ - ᱒ᱛᱺᱽ = ᱺᱳ/᱒ᱛᱺᱽ = ᱺᱞ/ᱺᱛᱽᱽ = ᱷ

ᱩᱢᱢᱺ/ᱸᱷᱽᱞᱟᱝᱢ. ᱷᱟᱹ.ᱧᱟᱛ ᱢᱞᱟᱱᱷ ᱷᱷᱷᱯᱟᱹ - ᱷ᱾᱒ = ᱖ᱳ/ᱷ᱾ᱞ=ᱺ᱒/ᱺ᱾᱒=᱒

ᱩᱢᱢᱺ/ᱳᱷᱱᱷᱞ ᱢ.ᱛᱟᱹ ᱷᱟᱹ.ᱧᱟᱛ ᱷᱷᱷᱯᱟᱹ - ᱷ᱾ᱷ = ᱒ᱳ/ᱺᱛᱽᱷ = ᱺᱳ/ ᱒ᱛᱺ.ᱽ = ᱺ

Reference Books.

ᱟᱹᱨ. ᱒. (ᱚ.ᱵᱟᱯ ᱮᱴᱷᱟᱹᱹᱟᱹᱮ) ᱩᱟᱹ.ᱥᱟᱹᱟᱹ ᱠᱟᱹᱥᱚᱚᱟᱹᱟ ᱣᱵᱹᱟᱹᱚ. – II

ᱠᱟᱹᱵᱟᱹᱩ – III

ᱚᱵᱚᱚ - ᱬ ᱦᱟᱹᱟᱹᱟᱹᱬ   ᱜᱵᱷ ᱹᱯᱹᱯ – ᱬᱳ+ᱭᱳ (ᱚ.ᱚ) = ᱯᱳᱳ

                                                ᱳᱟᱹᱟᱩᱟᱹᱜ ᱹᱯᱹᱯ –   = ᱬᱳ

ᱠᱟᱹᱳᱟᱹᱩ – ᱠᱟᱹᱥᱚᱚᱟᱹᱟ ᱣᱚᱟᱹ ᱠᱟᱹᱬᱭᱹ

ᱵᱹᱵᱟᱹᱵᱩ, ᱯᱹᱵᱚᱟᱹ ᱜᱵᱹ ᱵᱚ, ᱣᱚᱟᱹ ᱠᱟᱹᱬᱭᱹ ᱳᱟᱹᱳᱟᱹᱟᱹᱹ ᱣᱵᱹᱵᱹᱟ

        ᱭ. ᱠᱟᱹᱥᱚᱚᱟᱹᱟ ᱣᱚᱟᱹ ᱠᱹᱟᱹᱬ – ᱝᱟᱹᱟᱟᱹᱩᱟᱹ, ᱚᱟᱹᱣᱚᱟᱹ, ᱠᱚᱟᱹᱟᱹᱜ, ᱵᱟᱹᱟᱹᱵᱩ, ᱝᱚᱹᱠᱟᱹᱜ

                 – ᱠᱟᱹᱬᱳᱚᱟᱹ ᱟᱹᱥᱟᱹᱜ – ᱝᱚᱜ, ᱯᱚᱹᱜᱟᱯᱟᱹᱹ, ᱳᱟᱹᱳᱚᱟᱹ, ᱣᱚᱟᱹᱣᱚᱟᱹᱟ

        ᱢ. ᱠᱟᱹᱥᱚᱚᱟᱹᱟ ᱣᱚᱟᱹ ᱵᱟᱹ.ᱣᱹᱟ – ᱒ᱵᱟᱹᱹᱮ ᱟᱹᱟᱹᱠᱵᱟᱹᱹ. ᱟᱹᱥᱟᱹᱜ ᱭᱳ ᱜᱚᱟᱹᱟᱹᱜ ᱵᱟᱹᱹ.ᱣᱹᱟ

(ᱟᱹ) ᱯᱹᱯᱣᱚᱟᱹ ᱳᱚᱹᱹᱳᱟᱹᱜ ᱜᱚᱟᱹᱵᱹ, (ᱚ) ᱣᱚᱟᱹ ᱟᱹᱟ ᱵᱹᱯ ᱟᱹᱹᱥᱟᱹᱜ ᱵᱟᱹᱳᱟᱹᱟ, (ᱜ) ᱳᱚᱟᱹᱥᱚᱟᱹ ᱟᱹᱟ ᱩᱹᱟᱹᱚᱩ ᱵᱟᱹᱹ.ᱠᱹᱟ, (ᱬ) ᱳᱜᱞᱜᱭ ᱳᱟᱹᱟᱟᱹ.ᱟᱹᱹ ᱟᱹᱟᱹᱹ.ᱚᱟᱹ.ᱚ ᱵᱹᱝ ᱟᱹ, (ᱯ) ᱳᱚᱹ.ᱳᱟᱹ ᱵᱟᱹᱟᱹ ᱟᱹᱹᱥᱟᱹᱜ ᱵᱟᱹᱳᱟᱹᱟ, (ᱟᱹ) ᱵᱟᱹᱹᱟᱹ ᱟᱹᱟ ᱜᱵᱹᱹᱟᱹ. (ᱬ) ᱳᱟᱹᱜᱟᱹᱹ ᱟᱹᱟ ᱳᱟᱹ.ᱳᱵᱹ, (ᱳ) ᱣᱟᱹ.ᱚᱟ ᱟᱹᱟ ᱩᱵᱳ ,(ᱩ) ᱳᱟᱹ.ᱟᱹᱵᱩ ᱟᱹᱟ ᱟᱹᱟᱹᱟᱹᱟᱹᱜ ᱵᱟᱹᱳᱟᱹᱟ, (ᱮ) ᱣᱚᱟᱹᱥᱚᱟᱹ ᱟᱹᱟ ᱵᱹᱯ ᱟᱹᱹᱥᱟᱹᱜ ᱵᱟᱹᱳᱟᱹᱟ .

        ᱮ. ᱣᱟᱹᱥᱚᱚ ᱵᱚᱹ – ᱳᱚᱩᱠᱟᱹᱩ, ᱹᱚᱟᱹ.ᱦᱟᱹᱟᱹ.ᱟ, ᱣᱚᱟᱹᱳᱯᱚᱟᱹ, ᱣᱚᱝᱹ.ᱣᱚᱟᱹᱥ, ᱩᱚᱟᱹᱟᱹᱜᱚᱵᱟᱹᱵ, ᱳᱚᱹ.ᱦᱵᱟᱹ.ᱟ
        ᱬ. ᱠᱟᱹᱥᱚᱚᱟᱹᱟ ᱵᱹᱝᱟᱹᱵᱩ, ᱩᱹᱥ ᱵᱟᱹᱳᱟᱹᱟ, ᱣᱚᱟᱹᱥᱠᱚᱟᱹ ᱵᱟᱹᱳᱟᱹᱟ

ᱹᱯᱹᱯ ᱣᱚᱟᱹ.ᱦᱟᱹᱹ ᱵᱚᱹ

ᱣᱚᱟᱹᱟᱟᱹ ᱳᱟᱹᱯᱟᱹᱹ ᱣᱚᱟᱹᱥᱟᱹ ᱟᱹᱥᱟᱹᱜ/ᱟᱹᱯᱳᱚᱟᱹᱥᱟᱹ ᱟᱹᱥᱟᱹᱜ ᱵᱹᱵᱹᱯᱟᱹ - ᱢᱷᱹᱜ = ᱚᱡ/ᱢᱷᱹᱜ = ᱡᱡ/ᱹᱷᱹᱜ = ᱬ

ᱩᱚᱢᱹ/ᱳᱵᱹᱟᱹᱹ. ᱵᱟᱹ.ᱦᱟᱹᱩ ᱟᱹᱥᱟᱹᱹ ᱵᱹᱵᱹᱯᱟᱹ   - ᱬxᱹ =ᱬᱳ/ᱬxᱹ=ᱡᱟᱷᱹᱜ = ᱟᱡᱮᱹᱹ

ᱩᱚᱢᱹ/ᱳᱵᱹᱟᱹᱜ ᱟᱹ.ᱚᱟ ᱵᱟᱹ.ᱦᱟᱹᱩ ᱵᱹᱵᱹᱯᱟᱹ   - ᱬxᱬ = ᱚᱳ/ᱹᱷᱹᱜ = ᱭᱳ/ ᱢᱷᱹᱜ = ᱮ

Reference Books.

ᱩᱪ. ᱢ. (ᱡᱷ.ᱵᱟᱯ ᱢᱩᱦᱟᱯᱝᱟᱞ) ᱩᱢ.ᱞᱟᱹᱞ ᱞᱟᱹᱞᱳᱢᱚᱨᱟ ᱟᱵ'ᱩᱢ. – II

ᱞᱟᱹᱵᱟᱹᱩ – IV

ᱠᱚᱨᱳ - ᱖ ᱱᱟᱹᱢᱟᱞᱜ   ᱜᱩᱱ ᱞᱯᱞᱯ – ᱖O+ᱺO (ᱩ.ᱩ) = ᱹOO

                                                        ᱩᱢᱹᱩᱟᱩᱜ ᱞᱯᱞᱯ –   = ᱖O

ᱞᱟᱹᱵᱟᱹᱩ – ᱞᱟᱹᱞᱳᱢᱚᱨᱟ ᱷᱟᱞᱟᱹᱣᱞ

ᱢ. ᱵᱟᱢᱞᱟᱩᱮᱯ ᱩᱟᱹᱞᱠᱳ ᱯᱟᱢᱹᱟᱩ ᱛᱵᱳᱟᱨ – ᱩᱟᱞᱜᱟᱢᱩᱟᱜ ᱞᱹᱢᱹᱞ ᱟᱹ ᱷᱞᱟᱹᱣᱞ

                                    – ᱩᱢ.ᱣᱟᱨ   ᱢᱟᱩᱯᱟᱹᱞ ᱱᱵᱩᱵ –

O. ᱩᱢᱣᱢ ᱩᱢ.ᱯᱷᱩᱢ.ᱜ   - ᱛᱢ.ᱯᱷᱞ ᱱᱵᱱᱟᱹᱢ.ᱹ ᱞᱟᱹᱢᱹᱞ

᱖. ᱯᱟᱹᱵᱹᱢᱟᱹ ᱞᱹᱢᱹᱞ   - ᱛᱢ. ᱢᱟᱹ.ᱜᱟᱹᱵᱞᱟᱹ ᱩᱵᱟᱹᱵ

᱘. ᱞᱞᱳᱢᱜ   - ᱩᱟᱹᱩᱩᱮ ᱞᱟᱢᱵ ᱞᱟᱩᱹᱟᱹ

ᱯ. ᱢᱟᱹᱳᱢ.   - ᱞᱟᱱᱵᱞ ᱩᱟᱹᱜᱜᱳᱯ ᱞᱟᱹᱞᱞ

ᱢ. ᱢᱟᱹᱯᱹᱩᱟᱯᱟ   - ᱜᱟᱹᱢᱢᱢᱟᱹᱯᱹ ᱩᱟᱹᱯᱟ

ᱵ. ᱵᱟᱹᱳᱡᱞ ᱵᱟᱯᱟᱹ   - ᱞᱟᱹᱢᱟᱹᱞᱹᱞ ᱞᱟᱹᱞᱞ

ᱹ. ᱞᱩᱟᱹᱞᱞ ᱢᱟᱹᱢᱜ   - ᱱᱟᱹ.ᱵᱵᱟ ᱛᱢᱟᱹᱞᱟᱹᱯᱹ ᱩᱵᱟᱹᱵ

ᱩ. ᱯᱟᱹᱣᱟᱹᱜ ᱩᱢᱟᱹ ᱢᱞ   - ᱞᱟᱹᱢᱟᱹᱯᱹ ᱛᱢᱟᱹᱞᱟᱹᱯᱹ ᱵᱟᱹᱞᱵᱵ

- ᱷᱞᱟᱹᱣᱞ ᱵᱵᱵᱟᱹ ᱟᱹ ᱞᱟᱹᱢᱹᱣᱞᱯ – ᱢᱟᱹᱞᱢ, ᱞᱟᱹᱩᱞ, ᱵᱹᱵᱜ ᱞᱟᱹᱯᱟᱹ – ᱢᱟᱩᱟᱹᱞᱹᱢᱟᱹᱞᱩᱟᱹ ᱱᱟᱹᱢᱵᱵᱟᱹ

ᱞᱯᱞᱯ ᱩᱢ.ᱱᱟᱹᱞ ᱵᱟᱹ

ᱩᱢᱟᱹᱞᱢ ᱱᱟᱹᱯᱹᱟᱹ ᱩᱢᱟᱹᱞᱳ ᱢᱞᱟᱹᱜ/ᱢᱯᱢᱞᱟᱹᱞᱟᱹ ᱢᱞᱟᱹᱜ ᱵᱵᱵᱟᱹ – ᱢᱽᱩᱜ = ᱺO/ᱢᱽᱩᱜ = ᱞᱞ/ᱹᱽᱩᱜ = ᱖

ᱩᱢᱢᱹ/ᱛᱵᱞᱞᱟᱹ. ᱵᱟᱹ.ᱱᱟᱹᱛ ᱢᱞᱟᱹᱱ ᱵᱵᱵᱟᱹ   - ᱩᱽᱞ =᱖O/ᱩᱽᱞ=ᱞᱞ/ᱹᱽᱞ=ᱞ

ᱩᱢᱢᱹ/Oᱵᱟᱹᱵᱜ ᱢ.ᱩᱟᱹ ᱵᱟᱹ.ᱱᱟᱹᱛ ᱵᱵᱵᱟᱹ   - ᱩᱽᱜ = ᱞO/ᱹᱽᱜ = ᱺO/ ᱢᱽᱹᱜ = ᱺ

Reference Books.

ᱩᱧ. ᱒. (ᱹ.ᱵᱟᱯ ᱹᱴᱹᱹᱹᱹᱹ) ᱩᱹ.ᱪᱹᱪ ᱠᱹᱪᱳᱹᱹᱹ ᱣᱵ'ᱴᱹ. – II

ᱠᱹᱵᱹᱩ – V

ᱹᱵᱳᱹ - ᱙ ᱧᱹᱹᱹᱽ   ᱜᱵᱧ ᱡᱯᱽᱯ – ᱿O+ᱼO (ᱩ.ᱩ) = ᱼOO

                                                ᱺᱹᱹᱩᱹᱜ ᱡᱯᱽᱯ –   = ᱿O

          ᱠᱹᱳᱫᱩ – ᱠᱹᱪᱳᱹᱹᱹ ᱵᱹᱳᱹᱹ ᱠᱹᱽᱣᱽᱹ – ᱵᱹ.ᱲᱟᱵ ᱹᱜ ᱲᱟᱯᱟᱹ ᱵᱹ.ᱣᱪᱹ
          (ᱜᱹᱩᱹᱩ)

ᱹ. ᱩᱹᱞᱹᱹᱽᱩᱜ ᱵᱹ.ᱲᱟᱵ ᱵᱹ.ᱣᱪᱹ –

- ᱵᱹᱵᱪᱹ ᱩᱹᱳᱵᱹᱩ ᱱᱹᱹᱽ   - ᱲᱹᱹ.ᱵᱵᱹ ᱺᱹᱹᱠᱹᱱᱹ ᱩᱵᱹᱩᱵ
- ᱩᱹᱩᱹ ᱹᱹᱹᱜ   - ᱜᱹᱩᱹᱠᱳᱹ ᱺᱹᱹᱠᱹᱱᱹ ᱠᱹᱽᱪᱪ
- ᱠᱹᱪᱳᱟ   - ᱺᱽᱪᱩᱹᱹ'ᱱᱹ – ᱳᱹᱹᱹᱹᱩᱹ ᱹᱜ – ᱒ᱴ. ᱠᱧ. ᱹᱪᱩᱹᱹᱩ
- ᱣᱟᱹᱹᱩ ᱠᱹᱵᱟᱹ   - ᱱᱵᱹᱩᱟᱼ ᱠᱹᱹᱪᱪ
- ᱱᱹᱜ ᱯᱵᱜ ᱜᱹᱹᱲ ᱹᱽ   - ᱠᱪᱽᱣᱹᱯᱹᱳᱹ ᱩᱹ.ᱪᱩᱟ

O. ᱲᱟᱯᱟᱹ ᱵᱹ.ᱣᱪᱟ – ᱜᱹᱩᱹᱩ

     - ᱠᱹᱩᱹᱹ ᱹᱜ ᱵᱵᱵᱵᱩᱵ   - ᱩᱹᱱᱹᱽ ᱣᱪᱩᱹᱹᱩ
     - ᱹ.Oᱵ ᱹᱹᱹᱜ   - ᱩᱹᱩᱹᱪ ᱣᱹ'ᱠᱱᱹ

ᱜ. Oᱹᱹᱲᱹᱩᱹ ᱠᱹᱽᱣᱽᱱ

     - ᱠᱽᱹᱽ᱿ ᱠᱽᱺᱽ᱿   - ᱹᱹᱩᱟᱪᱱᱹᱹᱪᱹᱳᱹ ᱲᱹᱹ.ᱵᱽᱹ
     - ᱺᱵᱠᱟ   - ᱩᱹᱽᱵᱟᱩ ᱶᱹᱪᱱᱹᱹ (Oᱹᱹᱲᱹᱩᱹ ᱹᱜ) ᱱᱟᱯᱟᱺ ᱠᱹᱹᱪᱪ

               ᱡᱯᱽᱯ ᱣᱹ.ᱲᱟᱩ ᱵᱹ

ᱩᱹᱹᱪᱹ ᱲᱟᱯᱟᱽ ᱩᱹᱹᱪᱹ ᱹᱪᱹᱜ/ᱹᱯᱹᱶᱹᱪᱹ ᱹᱪᱹᱜ ᱵᱵᱵᱱᱟ - ᱽᱽᱭ ᱼ = ᱼO/ᱽᱽᱭᱼ = ᱽᱪ/ᱼᱽᱼ = ᱼ

ᱩᱹᱰᱽ/ᱺᱵᱪᱜᱹ. ᱵᱹ.ᱲᱟᱵ ᱹᱪᱹᱲ ᱵᱵᱵᱱᱟ   - ᱼᱽᱪᱪ =᱿O/ᱼᱽᱪ=ᱽᱽ/ᱼᱽᱽ=ᱽ

ᱩᱹᱰᱽ/Oᱵᱹᱽᱜ ᱹ.ᱩᱟ ᱵᱹ.ᱲᱟᱵ ᱵᱵᱵᱱᱟ   - ᱼᱽᱼ = ᱽO/ᱼᱽᱼ = ᱽO/ ᱽᱽᱼᱼ = ᱽ

Reference Books.

ᱚᱞ. ᱒ (ᱫ.ᱵᱟᱯ ᱫᱳᱰᱰᱮᱴ) ᱩᱫ.ᱮᱰᱮ ᱠᱰᱮᱳᱰᱟᱟ ᱳᱵᱸᱳᱰ. – III

ᱠᱰᱵᱰᱩ – VI

ᱫᱵᱳᱰ - ᱬ ᱬᱰᱡᱰᱳ   ᱜᱵᱧ ᱯᱟᱨᱟ – ᱬᱶᱰ+ᱬᱛᱳ (ᱳ.ᱳ) = ᱮᱬᱳᱳ

                                       ᱥᱰᱰᱫᱩᱰᱢ ᱯᱟᱨᱟ –   = ᱬᱶᱳ

ᱠᱰᱳᱰᱩ – ᱠᱰᱮᱳᱰᱟᱟ ᱜᱰᱬᱰᱮ – ᱵᱰ.ᱬᱟᱬ ᱜᱰᱬᱰᱮ ᱰᱦ ᱬᱟᱯᱟᱹ ᱜᱰᱬᱰᱮ

- ᱮ. ᱵᱰ.ᱬᱟᱬ ᱜᱰᱬᱰᱮ
  - ᱬ. ᱩᱰᱬᱰ ᱠᱵᱳᱰ.ᱩ   - ᱳᱰᱯᱰᱯ ᱳᱪᱩᱳᱰᱩ
  - ᱮ. ᱳᱰᱬᱳᱰ ᱩᱰᱬᱰ   - ᱰᱰᱩ ᱬᱟᱳᱰᱮ ᱩᱰ.ᱮᱳᱟ
  - ᱒. ᱩᱟᱯ ᱳᱟᱜᱰᱰ. ᱰᱰᱠᱰ   - ᱬᱰᱳᱟᱯᱰᱯ ᱳᱰᱹᱠᱯᱰ
  - ᱮ. ᱠᱰ.ᱜᱵᱮ   - ᱥᱰᱰᱟᱩᱰᱯ ᱳᱪᱩᱳᱰᱩ
- ᱒. ᱬᱟᱯᱟᱹ ᱜᱰᱬᱰᱮ
  - ᱬ. ᱳᱟᱯᱵᱷᱰᱰᱹᱯᱰᱮ   - ᱥᱰ. ᱰᱰ.ᱜᱰᱵᱮᱰᱳ ᱩᱵᱰᱩᱵ
  - ᱬᱳ.ᱠᱟᱹᱵ ᱵᱰ.ᱮᱵ   - ᱵᱰ.ᱯᱟᱰᱰᱩ ᱠᱰᱰᱮᱮ
- ᱮ. ᱜᱰᱬᱰᱮ ᱳ᱒ᱳ᱒ᱹ, ᱜᱰᱬᱰᱮ ᱵᱮᱵᱰᱵᱩ, ᱜᱰᱬᱰᱮ ᱜᱵᱮ ᱵᱰ ᱰᱦ ᱠᱰᱳᱳᱪᱹ ᱰᱮ ᱬᱰᱰᱹ

ᱯᱟᱨᱟ ᱳᱰ.ᱬᱟᱹ ᱵᱰ

ᱳᱰᱰᱬᱰ ᱬᱟᱯᱟᱹ ᱳᱰᱰᱮᱳ ᱰᱮᱰᱜ/ᱰᱯᱰᱬᱰᱮᱳ ᱰᱮᱰᱜ ᱵᱵᱵᱯᱟ - ᱒ᱽᱬᱬ = ᱬᱛᱳ/᱒ᱽᱬᱬ = ᱒ᱮ/ᱽᱬᱬ = ᱬ

ᱩᱰᱳ᱒/ᱥᱵᱮᱬᱰ. ᱵᱰ.ᱬᱟᱬ ᱰᱮᱰᱬ ᱵᱵᱵᱯᱟ   - ᱬᱽᱮ =ᱬᱳ/ᱬᱽᱮ=᱒ᱽ/ᱽᱽᱮ=᱒

ᱩᱰᱳ᱒/ᱳᱵᱰᱵᱮ ᱰ.ᱳᱟ ᱵᱰ.ᱬᱟᱬ ᱵᱵᱵᱯᱟ   - ᱬᱽᱬ = ᱒ᱳ/ᱽᱬᱬ = ᱬᱛᱳ/ ᱒ᱽᱬ.ᱬ = ᱛ

Reference Books.

ᱚᱨ. ᱒. (ᱢ.ᱵᱟᱯ ᱢᱩᱦᱟᱢᱢᱮ) ᱩᱢ.ᱮᱢᱮ ᱨᱢᱮᱚᱢᱦᱟ ᱾ᱝᱧᱩ ᱢᱽᱱ. – III

ᱨᱢᱵᱢᱩ – VII

᱐ᱵᱚᱢ - ᱖ ᱧᱢᱦᱢᱜ   ᱜᱵᱧ ᱨᱯᱨᱯ – ᱖O+᱙O (ᱢ.ᱢ) = ᱙OO

                        ᱝᱢᱦᱝᱩᱢᱜ ᱨᱯᱨᱯ –   = ᱖O

ᱨᱢᱚᱢᱩ – ᱨᱢᱮᱚᱢᱦᱟ ᱥᱮᱥᱯ/ᱜᱢᱮᱢᱜ ᱨᱢᱨᱢᱯ

ᱬ. ᱬᱵᱢᱢ.ᱨᱟ ᱥᱮᱥᱯ ᱩᱢᱯᱢ   - ᱨᱢᱦᱚᱯᱢ ᱝᱦᱥᱨᱢᱯ ᱵᱟᱨᱵᱵ
᱒. ᱮᱢ᱾ᱢᱜ ᱨᱢᱮᱚᱢᱦᱟ ᱥᱮᱥᱯ   - ᱝᱢ.ᱝᱵᱯᱢᱯ ᱩᱵᱢᱩᱵ
᱙. ᱨᱢᱮᱚᱢᱦᱟ ᱜᱢᱮᱢᱜ   - ᱯᱟᱜᱥᱩᱝᱢ
᱖. ᱨᱢᱮᱚᱢᱦᱟ ᱥᱮᱥᱯ ᱩᱢᱯᱢ   - ᱩᱢ᱾ᱢᱯᱜᱝᱩ ᱾ᱢᱽᱨᱯᱢ

ᱨᱯᱨᱯ ᱾ᱢ.ᱧᱟᱞ ᱵᱢ

ᱝᱢᱦᱜᱢ ᱬᱟᱯᱟᱞ ᱝᱢᱦᱮᱢ ᱢᱮᱢᱜ/ᱢᱯᱜᱬᱥᱮᱢ ᱢᱮᱢᱜ ᱵᱵᱵᱯᱟ - ᱒ᱝᱬᱜ = ᱙O/᱒ᱝᱬᱜ = ᱒ᱬ/ᱬᱝᱜ = ᱖

ᱩᱢᱝ᱒/ᱝᱵᱮᱜᱢ. ᱵᱢ.ᱧᱟᱬ ᱢᱮᱢᱧ ᱵᱵᱵᱯᱟ   - ᱖ᱝᱬ =᱖O/᱖ᱝᱮ=᱒᱒/ᱬᱝ᱒=᱒

ᱩᱢᱝ᱒/Oᱵᱢᱵᱜ ᱢ.ᱝᱟ ᱵᱢ.ᱧᱟᱬ ᱵᱵᱵᱯᱟ   - ᱖ᱝ᱖ = ᱒O/ᱬᱝᱬᱜ = ᱙O/ ᱒ᱝᱬ.ᱜ = ᱬ

Reference Books.

ᱥᱟ. ᱒. (ᱢ.ᱵᱟᱯ ᱢᱪᱬᱥᱥᱬᱮ) ᱩᱢ.ᱪᱢᱮ ᱠᱮᱪᱳᱽᱟ ᱶᱽᱪᱥ. – III

ᱠᱮᱵᱥᱩ – VIII

ᱚᱵᱳᱽ - ᱬ ᱧᱥᱰᱥᱪ

ᱜᱵᱧ ᱡᱯᱡᱯ – ᱬᱳ+ᱧᱳ (ᱪ.ᱪ) = ᱧᱳᱳ

ᱩᱽᱥᱬᱩᱬᱜ ᱡᱯᱡᱯ – = ᱬᱳ

ᱠᱮᱳᱽᱩ – ᱠᱮᱪᱳᱽᱟ ᱢ.ᱪᱮ.ᱵᱟ ᱠᱮᱵᱽᱪᱯ

᱑. ᱠᱮᱵᱽᱪᱯ ᱵᱡᱪᱥᱜ ᱠᱮᱯᱮᱬᱥᱵᱮ ᱵᱪᱶᱥ.ᱵ, ᱠᱮᱵᱽᱪᱯ ᱵᱡᱪᱥᱜ ᱵᱮᱵᱵᱽᱩ

᱒. ᱠᱮᱵᱽᱪᱯ ᱧᱵᱠ, ᱠᱮᱵᱽᱪᱯ ᱩᱵᱽᱥᱳ

᱓. ᱠᱮᱵᱽᱪᱯ ᱳᱧᱳᱪᱯ

᱓᱑. ᱜᱥ.ᱳᱟᱪᱟ – ᱵᱮᱵᱽᱟᱶᱮ – ᱯᱥ.ᱧᱵ ᱵᱮᱵᱽᱟᱶᱮ, ᱠᱡᱵᱠ ᱵᱮᱵᱽᱟᱶᱮ

᱓᱒. ᱵᱥ.ᱳᱟᱪᱟ – ᱵᱥ.ᱧᱟᱧ ᱵᱥ.ᱶᱮᱟ, ᱧᱟᱯᱟᱜ ᱵᱥ.ᱶᱮᱟ (ᱜᱥᱩᱥᱩ), ᱵᱥ.ᱧᱟᱧ ᱜᱥᱪᱮᱬᱮ, ᱧᱟᱯᱟᱜ ᱜᱥᱪᱮᱬᱮ, ᱵᱮᱳᱯ, ᱧᱟᱪᱮᱬᱮ ᱵᱥᱳᱶᱥ, ᱢᱩᱪᱥᱵ ᱧᱟᱪᱮᱬᱮ ᱵᱥᱳᱬᱥ, ᱠᱥᱽᱜᱥᱵ, ᱯᱥ.ᱬ ᱠᱮᱵᱽᱯ, ᱥᱯᱬᱟᱬᱮᱥ ᱧᱩᱥᱮᱪ

᱔. ᱩᱵᱟᱬᱵᱽᱩ ᱯᱟᱠᱮᱩ ᱶᱥᱥᱵᱥᱳᱟᱪᱮᱽ ᱠᱮᱵᱽᱪᱯ ᱜᱥᱯᱡᱯ – ᱶᱥᱵᱜᱥᱮ ᱜᱥᱯᱡᱯ – ᱵᱽᱠᱟᱵᱥ ᱜᱥᱯᱡᱯ, ᱠᱥ.ᱵᱟ ᱜᱥᱯᱡᱯ, ᱞᱟᱠᱶᱥ. ᱜᱥᱯᱡᱯ

᱕. ᱠᱮᱪᱳᱽᱟ ᱠᱮᱵᱽᱪᱯ ᱵᱡᱪᱥᱜ ᱢ.ᱪᱮ.ᱵᱟ ᱩᱥᱵᱵᱟᱶᱥᱮ – ᱜᱥ.ᱳᱟᱪᱟ ᱥᱵ ᱵᱥ.ᱳᱟᱪᱟ – ᱠᱡᱵᱠ, ᱵᱮᱵᱽᱟᱶᱮ, ᱵᱥ.ᱧᱟᱧ ᱵᱥ.ᱶᱮᱟ, ᱧᱟᱯᱟᱜ ᱵᱥ.ᱶᱮᱟ(ᱜᱥᱩᱥᱩ), ᱜᱥᱪᱮᱬᱮ, ᱵᱮᱳᱯ, ᱧᱟᱪᱮᱬᱮ ᱵᱥᱳᱬᱥ, ᱠᱥᱽᱜᱥᱵ, ᱯᱥ.ᱬᱠᱮᱵᱽᱯ, ᱥᱯᱬᱟᱬᱮᱥ,

᱖. ᱠᱮᱪᱳᱽᱟ ᱢ.ᱥᱢ. ᱯᱥᱵᱡ, ᱵᱥᱠᱥ, ᱞᱥᱥᱽᱯᱥ ᱥᱵ ᱢᱪᱥᱵᱵᱮᱽ

᱗. ᱩᱥᱵᱩᱪᱵᱧ ᱵᱥ.ᱩᱟ/ᱵᱥᱬᱵᱽ ᱵᱥᱳᱪ ᱯᱡᱵᱵᱵ -

᱘. Field work based – 20 – F.W. + 10 (Interview)

ᱡᱯᱡᱯ ᱶᱥ.ᱧᱟᱜ ᱵᱥ

ᱶᱥᱵᱜᱥ ᱧᱟᱯᱟᱜ ᱶᱥᱵᱮᱵ ᱢᱪᱥᱜ/ᱥᱯᱬᱟᱬᱮᱥ ᱢᱪᱥᱜ ᱵᱵᱵᱯᱟ - ᱒×ᱧᱬ = ᱧᱳ/᱒×ᱧᱬ = ᱒᱑/ᱧᱬ = ᱬ

ᱩᱥᱶᱡ/ᱩᱵᱪᱬᱥ. ᱵᱥ.ᱧᱟᱧ ᱢᱪᱥᱧ ᱵᱵᱵᱯᱟ   - ᱬ×᱘ =ᱬᱳ/ᱬ×᱘=᱒᱔/ᱧ×᱒=᱒

ᱩᱥᱶᱡ/ᱳᱵᱽᱵᱜ ᱢ.ᱶᱟ ᱵᱥ.ᱧᱟᱧ ᱵᱵᱵᱯᱟ   - ᱬ×᱖ = ᱒ᱳ/ᱧᱬ×ᱵᱬ = ᱧᱳ/ ᱒×ᱧ.ᱬ = ᱓

Reference Books.

ᱚᱞ. ᱒. (ᱫ.ᱵᱟᱯ ᱥᱟᱶᱟᱞᱟᱝ) ᱯᱟᱲ/ᱯᱟᱥᱟᱲ ᱠᱟᱞᱚᱫᱟᱨ ᱣᱳᱨᱯᱟ. – ᱤ

ᱠᱟᱵᱟᱲ – ᱤ

ᱥᱵᱚᱫ - ᱡ ᱧᱟᱲᱟᱝ

ᱜᱞᱧ ᱚᱯᱚᱯ – ᱬᱚ+ᱬᱚ (ᱵ.ᱵ) = ᱬᱚᱚ

ᱯᱟᱥᱟᱶᱟᱜ ᱚᱯᱚᱯ – = ᱬᱚ

ᱠᱟᱵᱟᱲ – ᱠᱟᱞᱚᱫᱟᱨ ᱯᱟᱹᱫᱠᱟ, ᱠᱟᱥᱩᱣᱛᱤ, ᱥᱚᱱᱚᱫ ᱟᱨ ᱯᱟᱹᱫᱠᱟ ᱣᱟᱜᱽᱨᱟᱞᱟ/ᱠᱟᱢᱛᱩ

ᱵ. ᱯᱟᱹᱫᱠᱟ –
   ᱫ) ᱠᱟᱞᱚᱫᱟᱨ ᱯᱟᱹᱫᱠᱟ ᱥᱛᱟᱨᱟᱜ ᱧᱟᱱᱟᱞᱩ, ᱠᱟᱞᱚᱫᱟᱨ ᱯᱟᱹᱫᱠᱟ ᱥᱛᱟᱨᱟᱜ ᱜᱩᱛ ᱵᱟ
   ᱚ) ᱠᱟᱞᱚᱫᱟᱨ ᱯᱟᱹᱫᱠᱟ ᱥᱛᱟᱨᱟᱜ ᱫᱠᱤᱱᱟᱹᱵ ᱯᱟᱹᱫᱠᱟ ᱠᱟᱱ ᱚᱵᱯᱟ. ᱧᱟᱵᱚᱥᱟ ᱯᱚᱯᱚᱲᱣᱟᱞ
   ᱧᱚᱯᱚᱵᱟ – ᱩᱵᱷᱟᱱᱟ, ᱣᱪ, ᱵᱫᱯ, ᱣᱟᱵᱩᱵᱧᱹ, ᱣᱨᱫᱣᱚᱫ, ᱩᱫᱽ.ᱣᱯᱨ ᱵᱚᱠᱟᱱᱷ

᱒. ᱠᱟᱞᱚᱫᱟᱨ ᱠᱟᱥᱩᱣᱛᱤ ᱥᱛᱟᱨᱟᱜ ᱠᱟᱱᱟᱞᱩ
   ᱫ) ᱠᱛᱟᱱᱴ ᱠᱟᱱᱜ ᱠᱟᱞᱚᱫᱟᱨ ᱠᱟᱥᱩᱣᱛᱤ – ᱫᱯ ᱠᱟᱥᱩᱣᱛᱤ ᱒ᱚᱟᱣᱟᱵ ᱬᱪᱬᱩ ᱞ. ᱠᱟᱯ ᱩᱟᱲᱟᱝ
   ᱚ) ᱚᱟᱯᱟ ᱠᱟᱱᱜ ᱠᱟᱞᱚᱫᱟᱨ ᱠᱟᱥᱩᱣᱛᱤ/ᱩᱨᱠᱚᱫ ᱵᱵᱚᱛᱪᱟᱜ ᱠᱟᱞᱚᱫᱟᱨ ᱠᱟᱥᱩᱣᱛᱤ – ᱩᱟᱲᱟᱝ ᱠᱛᱟᱱᱴ ᱩᱟᱠᱚᱫᱟᱨᱟ ᱵᱵᱚᱥ ᱠᱟᱥᱩᱣᱛᱤ – ᱬᱪᱬᱩ ᱞ. ᱠᱟᱯ ᱵᱟᱥᱚᱞ ᱬᱪᱬᱩ ᱞ. ᱠᱟᱯ ᱯᱟᱥᱫ.ᱣᱟᱬ, ᱚᱟᱵᱟᱞᱩ ᱠᱛᱟᱱᱜ ᱩᱟᱠᱚᱫ ᱵᱵᱚᱥ ᱠᱟᱥᱩᱣᱛᱤ – ᱬᱪᱬᱚ ᱞ. ᱠᱟᱯ ᱵᱟᱥᱚᱞ – ᱬᱪ ᱫᱜᱚᱠᱱ ᱬᱪᱬ᱒ ᱞ. ᱠᱟᱯ ᱯᱟᱥᱫ.ᱣᱟᱬ
   ᱜ) ᱠᱟᱣᱟᱜ ᱵᱵᱚᱥ ᱠᱟᱞᱚᱫᱟᱨ ᱠᱟᱥᱩᱣᱛᱤ – ᱬᱪ ᱫᱜᱚᱠᱱᱚ ᱬᱪᱬ᱒ ᱠᱟᱯ ᱵᱟᱥᱚᱞ ᱠᱟᱚ ᱯᱟᱥᱫ.ᱣᱟᱬ

ᱡ. ᱠᱟᱞᱚᱫᱟᱨ ᱥᱚᱱᱚᱫ ᱟᱨ ᱯᱟᱹᱫᱠᱟ ᱣᱟᱜᱽᱨᱟᱞᱟ/ᱠᱟᱢᱛᱩ
   ᱫ) ᱠᱟᱞᱚᱫᱟᱨ ᱥᱟᱣᱟ ᱧᱟᱲᱟᱝ ᱟᱨ ᱵ᱒ᱟ᱒ᱴ ᱧᱟᱲᱟᱝ, ᱧᱟᱲᱟᱝ ᱥᱟᱵᱟᱵ ᱠᱟᱞᱚᱫᱟᱨ ᱥᱟᱣᱟ ᱧᱟᱲᱟᱝ ᱟᱨ ᱵ᱒ᱟ᱒ᱴ ᱧᱟᱲᱟᱝ
   ᱚ) ᱠᱟᱞᱚᱫᱟᱨ ᱫ.ᱲᱚ., ᱫ.ᱲᱚ. ᱜᱚᱱᱚᱞ – ᱫᱜᱟᱚ, ᱠᱟᱜ᱒ ᱚᱴᱽᱜ᱒ ᱣᱚᱚ᱒ᱚ᱒
   ᱜ) ᱠᱟᱞᱚᱫᱟᱨ ᱫ.ᱲᱚ. ᱯᱟᱹᱫᱟᱠ – ᱜᱚᱱᱟᱞ, ᱧᱟᱱᱟᱝ, ᱜᱚᱥᱚᱞ ᱟᱨ ᱯᱟᱱᱟ
   ᱣ) ᱠᱟᱞᱚᱫᱟᱨ ᱫ.ᱦᱟ.ᱚ, ᱫ.ᱦᱟ.ᱚ ᱣᱟᱥᱜᱚᱞ
   ᱫ) ᱠᱟᱞᱚᱫᱟᱨ ᱠᱟᱯᱟᱱᱟᱯᱚᱞ ᱯᱟᱹᱫᱠᱟ ᱣᱟᱜᱽᱨᱟᱞᱟ/ᱠᱟᱢᱛᱩ – ᱧᱟᱲᱟᱝ ᱠᱟᱢᱛᱩ, ᱫ.ᱲᱚ. ᱠᱟᱢᱛᱩ, ᱫ.ᱦᱟ.ᱚ ᱠᱟᱢᱛᱩ ᱟᱨ ᱩᱯᱚᱚ ᱠᱟᱢᱛᱩ

ᱚᱯᱚᱯ ᱣᱚ.ᱧᱟᱜ ᱵᱟ

ᱣᱟᱥᱚᱟ ᱧᱟᱯᱟᱜ ᱣᱟᱥᱠᱟ ᱫᱠᱟᱜ/ᱫᱯᱚᱡᱚᱠᱟ ᱫᱠᱟᱜ ᱵᱵᱷᱯᱟ - ᱡ×ᱬᱜ = ᱬᱚ/ᱡ×ᱬᱜ = ᱣᱪ/ᱬ×ᱜ = ᱜ

ᱩᱟᱢᱛᱩ/ᱯᱵᱠᱟᱱ. ᱵᱟ.ᱧᱟᱬ ᱫᱠᱟᱱ ᱵᱵᱷᱯᱟ - ᱜ×ᱬ =ᱬᱚ/ᱜ×ᱬ=ᱬ᱒/ᱬ×ᱡ=᱒

ᱩᱟᱢᱛᱩ/ᱚᱵᱥᱷᱜ ᱫ.ᱣᱨ ᱵᱟ.ᱧᱟᱬ ᱵᱵᱷᱯᱟ - ᱜ×ᱜ = ᱬᱚ/ᱬ×ᱜ = ᱬᱚ/ ᱡ×ᱬᱜ = ᱡ

Reference Books.

ᱯᱟ. ᱒. (ᱚ.ᱵᱟᱯ ᱚᱣᱚᱢᱚᱫ) ᱴᱚᱽ/ᱴᱚᱢᱚᱣ ᱠᱚᱞᱚᱢᱚᱯ ᱣᱩᱴᱚ. – II

ᱠᱚᱵᱚᱩ – II

ᱤᱵᱚᱭ - ᱒ ᱧᱚᱡᱚᱝ   ᱜᱩᱧ ᱞᱯᱦᱯ – ᱠᱚ+ᱥᱚ (ᱴ.ᱴ) = ᱪᱚᱚ

                                                         ᱴᱚᱢᱚᱩᱚᱜ ᱞᱯᱦᱯ –   = ᱥᱚ

ᱠᱚᱚᱪᱩ – ᱠᱚᱞᱚᱢᱚᱯ ᱣᱚᱡ ᱠᱚᱭᱣᱮᱯ

ᱪ. ᱠᱚᱞᱚᱢᱚᱯ ᱣᱚᱡ ᱠᱞᱦᱞᱩ – ᱯᱚᱜ, ᱯᱚᱜᱮᱢᱭ, ᱣᱚᱣᱚ, ᱠᱚᱣᱚᱝ, ᱯᱚᱽᱠᱚᱝ, ᱵᱚᱨᱚᱩ, ᱣᱚᱣᱚᱨ

᱒. ᱠᱚᱞᱚᱢᱚᱯ ᱣᱚᱡ ᱵᱚ.ᱣᱞᱯ – ᱣᱚᱡᱚᱢᱚᱩᱚᱜ ᱥᱚ ᱜᱚᱧᱚᱜ –

ᱚ) ᱩᱞᱚᱚᱩ , ᱵᱩᱯ, ᱣᱚᱞᱚ ᱚᱝ ᱧᱚᱜᱵ

ᱚ) ᱣᱩᱯ ᱣᱚᱚᱝᱜ ᱵᱚᱚᱪᱚ

ᱜ) ᱵᱟᱽᱠᱚ.ᱡ ᱣᱚᱡᱚᱩ ᱯᱚ ᱧᱚᱩ ᱚᱚᱧᱚ ᱵᱚ ᱚᱨ ᱟᱯᱟᱵᱞᱯᱟ ᱚᱞᱚᱚᱜ

ᱝ) ᱣᱚᱬᱵᱚᱩ ᱚᱞᱯ ᱯᱞᱵᱚ ᱧᱚᱞᱚᱩ ᱯᱞᱞᱚ

ᱯ) ᱞ᱾ᱞᱚᱜ ᱣᱚᱠᱣᱚ ᱚᱝ ᱩᱟᱯᱧᱚ.ᱡ ᱩᱚᱠᱞᱚᱚ

ᱚ) ᱣᱚᱠᱣᱚ ᱵᱚ ᱣᱚᱴᱯᱚ ᱯᱞᱯ ᱵᱟᱞ ᱚᱞᱚᱜ

ᱵ) ᱞ᱾ᱞᱚᱜ ᱯᱞᱯᱣᱚ ᱵᱚᱡᱚ ᱚᱞᱚᱜ ᱵᱚᱚᱪᱚ

᱾) ᱣᱜᱣᱚᱚᱞᱚᱚ ᱚᱞᱚᱜ ᱵᱚᱚᱪᱚ

ᱩ) ᱚᱚᱬ ᱚᱚ ᱞ᱾ᱞᱚᱜ ᱜᱚᱧᱞᱮ ᱚᱚ.ᱞᱯ ᱚᱞᱚᱜ

ᱭ) ᱣᱚᱩᱣᱚᱮ ᱚᱚ ᱜᱟᱯᱟ ᱚᱞᱚᱜ

ᱨ) .ᱠᱚᱞᱚᱢᱚᱯ ᱵᱚᱯᱩᱚᱩ, ᱩᱞᱮ ᱵᱚᱚᱪᱚ, ᱣᱚᱞᱮᱞᱚ ᱵᱚᱚᱪᱚ

   ᱩ) ᱠᱚᱞᱚᱢᱚᱯ ᱣᱟᱞᱚᱟ ᱵᱚ – (ᱵᱚᱚᱩ ᱣᱟᱞᱚᱟ, ᱚᱚ ᱧᱚᱩᱠᱟᱩ ᱣᱟᱞᱚᱟ) ᱚᱚ ᱣᱚᱜᱯᱚ ᱣᱚᱡ ᱵᱚ.ᱣᱞᱟ ᱠᱚᱧ ᱚᱩᱯᱚ. ᱧᱚᱵᱚᱚ

   ᱞ) ᱴᱚᱚᱧᱞᱵᱦ ᱵᱚ.ᱩᱟ (ᱠᱚᱞᱚᱢᱚᱯ ᱣᱚᱡ ᱠᱚᱭᱣᱮᱯ ᱵᱚ ᱚᱵᱩᱚ.ᱯ) – ᱩᱚᱬᱞᱚ ᱵᱚᱭᱚᱜ ᱯᱟᱠᱚ. ᱵᱯᱵᱜ ᱚᱞ – ᱣᱚᱡ ᱠᱞᱦᱞᱩ, ᱣᱚᱡ ᱵᱚ.ᱣᱞᱟ, ᱣᱟᱞᱚᱟ, ᱣᱚᱽᱵᱚᱞᱢ, ᱵᱚᱯᱩᱚᱩ, ᱩᱞᱮ ᱵᱚᱚᱪᱚ, ᱣᱚᱞᱮᱞᱚ ᱵᱚᱚᱪᱚ ᱞᱩᱚᱞᱮ

   ᱜ) ᱣᱟᱞᱚᱟ ᱵᱚ(ᱵᱚᱚᱩ ᱣᱟᱞᱚᱟ ᱚᱚ ᱧᱚᱩᱠᱟᱩ ᱣᱟᱞᱚᱟ)ᱚᱚ ᱣᱚᱜᱯᱚ ᱣᱚᱡ ᱵᱚ.ᱣᱞᱟ ᱠᱚᱯᱚᱜ   ᱚᱩᱯᱚ.ᱧᱚᱵᱚᱚ

   ᱥᱞ

5) Project work (collection of Santali folk Literature) –By the guidance of teacher.

                                        = 20 – F.W. + 10 (Interview)

ᱶᱯᱍᱯ ᱣᱚᱱᱹᱬᱟᱜ ᱵᱚ

ᱣᱚᱱᱹᱪᱚᱱ ᱝᱟᱯᱟᱜ ᱣᱚᱱᱮᱚᱱ ᱝᱮᱮᱬᱜ/ᱞᱯᱜᱴᱴᱮᱚᱱ ᱝᱮᱮᱬᱜ ᱵᱤᱵᱷᱟᱨ - ᱘x᱗ᱮ = ᱨᱚ/᱘x᱗ᱮ = ᱞᱮ/᱗x᱗ᱮ = ᱬ

ᱴᱚᱝᱶ/ᱴᱷᱮᱮᱨᱚᱝ. ᱵᱚᱮ.ᱱᱟᱠ ᱝᱮᱞᱟᱱ ᱵᱤᱵᱷᱟᱨ   - ᱬxᱮᱮ =ᱜᱚ/ᱬxᱮᱮ=ᱞᱞ/᱗x᱗=ᱞ

ᱴᱚᱝᱶ/ᱚᱵᱹᱹᱴ ᱝᱹᱬᱟ ᱵᱚᱮ.ᱱᱟᱠ ᱵᱤᱵᱷᱟᱨ   - ᱬxᱬ = ᱨᱚ/᱗xᱬ = ᱮᱚ/ ᱘x᱗ᱮ.ᱬ = ᱬ

Reference Books.

ᱝᱟ. ᱨ. (ᱝ.ᱵᱟᱯ ᱝᱣᱚᱥᱝᱮ) ᱫᱮᱞᱹ/ᱫᱮᱝᱺᱭ ᱨᱝᱮᱚᱝᱫᱟ ᱣᱵ'ᱝᱮ. – III

ᱨᱝᱵᱹᱭ – III

ᱡᱵᱚᱝ - ᱬ ᱱᱮᱯᱝᱴ   ᱜᱹᱱ ᱶᱯᱍᱯ – ᱬᱚ+ᱲᱚ (ᱣ.ᱣ) = ᱲᱚᱚ

                                                           ᱴᱮᱝᱺᱴᱴᱜ ᱶᱯᱍᱯ   = ᱬᱚ

ᱨᱝᱵᱹᱭ – ᱨᱝᱮᱚᱝᱫᱟ ᱨᱝᱷᱹᱶᱹᱮᱹ

᱗. ᱨᱝᱮᱚᱝᱫᱟ ᱜᱝ.ᱚᱬᱮᱟ ᱵᱚ – ᱣᱝᱺᱝᱺᱷᱹᱴ ᱨ ᱜᱝᱱᱝᱴ
        ᱮ) ᱣᱝᱟᱹᱡᱵᱟ   - ᱨᱚ.ᱴᱚᱹ ᱝᱝᱴᱺᱝ'ᱴ ᱴᱵᱹᱷᱴᱵ
        ᱒) ᱣᱹᱴᱹᱯ ᱣᱺ'ᱜᱝ ᱣᱵ'ᱨᱟᱴ   - ᱣᱝᱴᱝᱨ ᱨᱝᱷᱵ ᱨᱝᱴᱟᱹᱝ
        ᱮ) ᱝᱯᱶ ᱝ.ᱚᱵ   - ᱨᱝᱝᱴᱮᱝ ᱴᱝᱚᱨᱝᱴ ᱵᱲᱨᱵᱵ
        ᱬ) ᱴᱝᱹᱨᱝᱜ ᱵᱷᱮᱚ.ᱴᱟ   - ᱱᱮᱝᱵᱹᱝ ᱴᱝᱚᱨᱝᱴ ᱴᱵᱹᱹᱵ
        ᱮᱚ) ᱴᱶᱴᱝᱜ   - ᱮᱨ. ᱨᱟ. ᱝᱶᱣᱝᱝᱴ
        ᱮᱮ) ᱵᱵᱴᱹᱵᱟ   - ᱨᱝᱝᱮᱨᱚᱮ ᱨᱝᱝᱶᱮ ᱚᱝᱝᱶ ᱨᱹᱚᱝ.ᱴ
        ᱮ᱒) ᱝᱣᱝᱝᱜᱮᱮᱚ.   - ᱜᱝᱝᱴᱝᱹᱴᱚ ᱱᱵᱣᱜ
᱒. ᱨᱝᱮᱚᱝᱫᱟ ᱵᱝ.ᱚᱬᱮᱟ   - ᱵᱝ.ᱱᱟᱠ ᱵᱝ.ᱣᱮᱟ
        ᱮ) ᱴᱝᱣᱝ ᱝᱴᱝᱜ   - ᱜᱝᱣᱝᱨᱚᱝ ᱴᱝᱚᱨᱝᱴ ᱨᱝᱝᱶᱮ
        ᱒) ᱨᱟᱵᱝᱮᱚ.ᱚ   - ᱵᱴᱶᱮ ᱵᱲᱨᱵᱵ
        ᱮᱬ) ᱵᱝᱶᱮᱟ ᱴᱝᱚᱵᱝᱣ ᱴᱝᱝᱶ   - ᱱᱝᱝ.ᱵᱹᱝ ᱴᱝᱚᱨᱝᱴ ᱴᱵᱹᱹᱵ
        ᱬ) ᱣᱹᱯ ᱣᱝᱶ ᱝᱵ ᱝᱴ ᱣᱝᱶ   - ᱣᱝᱣᱝᱨ ᱨᱝᱷᱵ ᱨᱝᱴᱟᱹᱝ
᱘. ᱨᱝᱮᱚᱝᱫᱟ ᱵᱝ.ᱚᱬᱮᱟ – ᱝᱯᱟᱜ ᱵᱝ.ᱣᱮᱟ (ᱜᱝᱣᱝᱴ)
        ᱮ) ᱨᱝᱣᱝᱝ ᱝᱜ ᱵᱤᱵᱹᱵ   - ᱣᱝᱴᱟᱯ ᱣᱶᱣᱝᱝᱴ
        ᱒) ᱝ.ᱚᱵ ᱝᱶᱝᱜ   - ᱣᱝᱣᱝᱨ ᱣᱝ'ᱨᱴᱝ
ᱬ. ᱨᱝᱮᱚᱝᱫᱟ ᱵᱝ.ᱚᱬᱮ– ᱜᱝᱜᱝᱮ
        ᱮ) ᱴᱟᱴ ᱣᱟᱜᱝᱝ. ᱝᱝᱨᱮ   - ᱝᱜᱚᱯᱝᱚᱴ ᱣᱝ'ᱨᱴᱝ
        ᱒) ᱣᱝᱨᱣᱝ ᱴᱝᱜᱝ   - ᱝᱝᱴᱟᱣᱝᱴ ᱴᱝ.ᱶᱚᱟ

୬. ᱠᱚᱞᱚᱢᱡᱟᱹ ᱠᱟᱹᱣᱲᱟᱠ ᱡᱮᱛᱟᱯ ᱠᱚ

ᱩ) ᱯᱟᱹᱜᱟᱢᱛ ᱠᱜᱟᱝᱟ – ᱠᱟᱣᱟᱜ ᱠᱚᱞᱚᱢᱡᱟᱹ ᱡᱮᱛᱟᱯ – ᱣᱟᱹ.ᱣᱵᱯᱟᱹᱯ ᱩᱵᱟᱩᱵ

᱓) ᱠᱚᱞᱚᱢᱡᱟᱹ ᱴᱟᱹ.ᱝᱠᱟ ᱸᱝ ᱠᱟᱹᱣᱲᱟᱠ – ᱶᱵᱣᱟᱹ.ᱠᱟ ᱠᱚᱞᱚᱢᱡᱟᱹ ᱡᱮᱛᱟᱯ ᱩᱟᱯᱟ – ᱠᱟᱝᱟᱴᱟᱹ ᱴᱟᱡᱠᱟᱹᱴ ᱠᱟᱠᱵᱵ

ᱚ) ᱠᱚᱞᱚᱢᱡᱟᱹ ᱣᱟᱝᱟ, ᱠᱚᱣᱝᱟᱝ, ᱯᱟᱹᱠᱟᱝ ᱴᱟᱝᱟᱣ

ᱛᱯᱛᱯ ᱣᱟᱹ.ᱸᱟᱯ ᱠᱚ

ᱣᱟᱝᱟᱠᱚ ᱶᱟᱯᱟᱯ ᱣᱟᱝᱮᱠᱚ ᱝᱮᱝᱟᱜ/ᱝᱯᱝᱭᱞᱝᱮᱝ ᱝᱮᱝᱟᱜ ᱵᱵᱵᱯᱟ - ᱓ᱝᱝᱢ = ᱜᱚ/᱓ᱝᱝᱢ = ᱓ᱦ/ᱝᱝᱢ = ᱬ

ᱩᱟᱣᱛ/ᱴᱵᱮᱠᱟᱹ. ᱠᱟᱹ.ᱸᱟᱶ ᱝᱮᱝᱶ ᱵᱵᱵᱯᱟ   - ᱬxᱪ =ᱥᱚ/ᱬxᱪ=ᱬᱬ/ᱝxᱪ=᱓

ᱩᱟᱣᱛ/ᱚᱵᱝᱵᱮ ᱝ.ᱣᱟ ᱠᱟᱹ.ᱸᱟᱶ ᱵᱵᱵᱯᱟ   - ᱬxᱬ = ᱓ᱚ/ᱝxᱬ = ᱜᱚ/ ᱓ᱝᱬ.ᱬ = ᱚ

ᱣᱟ. ᱓. (ᱝ.ᱠᱟᱯ ᱝᱣᱝᱝᱝ) ᱴᱟᱠ/ᱴᱝᱝᱝᱣ ᱠᱚᱞᱚᱢᱡᱟᱹ ᱣᱷᱣᱟ. – III

ᱠᱟᱝᱝᱣ – IV

ᱝᱵᱚᱝ - ᱬ ᱸᱝᱟᱝᱝ   ᱜᱵᱸ ᱛᱯᱛᱯ – ᱬᱚ+ᱝᱚ (ᱣ.ᱣ) = ᱝᱚᱚ

                                         ᱴᱝᱝᱝᱩᱝᱜ ᱛᱯᱛᱯ   = ᱝᱚ

ᱠᱟᱣᱚᱝᱣ – ᱠᱟᱝᱠ ᱠᱟᱣᱚᱝᱣ – ᱠᱚᱞᱚᱢᱡᱟᱹ ᱜᱟᱹ.ᱠᱝᱵᱝ ᱡᱮᱛᱟᱯᱟᱠᱟᱹ. ᱠᱚ

ᱬ. ᱩᱟᱹ.ᱶᱟᱯ ᱝᱝᱩᱯᱝᱠ ᱸᱵᱣᱵ

᱓. ᱠᱟᱹ.ᱯᱟᱵ ᱝᱝᱩᱬᱝᱹᱯ ᱩᱵᱝᱩᱵ

ᱚ. ᱴᱝ. ᱝᱝ.ᱜᱝᱵᱮᱝᱚ ᱩᱵᱝᱩᱵ

ᱬ. ᱣᱝᱩᱝᱪ ᱠᱝᱣᱵ ᱠᱝᱩᱯᱝ

ᱬ. ᱝᱪᱣᱝ. ᱴᱟ. ᱝ. ᱣᱝᱣᱟᱜ

ᱪ. ᱠᱯᱡᱵ-ᱠᱝ.ᱪᱣᱵ,ᱨᱝᱹᱡ-ᱣᱝᱝᱪᱝᱝ

᱓. ᱚᱯᱠᱝᱹ. ᱩᱟᱹ.ᱶᱟᱯ

ᱪ. ᱣᱟᱣᱝᱹ.-ᱠᱟᱠᱵᱪ

ᱬ. ᱣᱟᱝ ᱣᱝᱹ.ᱶᱝᱹ.ᱯ

ᱬᱚ. ᱠᱝᱣ ᱴᱝᱝᱜᱝᱪᱝᱹ

ᱛᱯᱛᱯ ᱣᱟᱹ.ᱸᱟᱯ ᱠᱚ

ᱣᱝᱝᱠᱝ ᱶᱟᱯᱟᱯ ᱣᱝᱝᱪᱚ ᱝᱮᱝᱟᱜ/ᱝᱯᱝᱭᱞᱝᱪᱝ ᱝᱮᱝᱟᱜ ᱵᱵᱵᱯᱟ - ᱓ᱝᱝᱢ = ᱜᱚ/᱓ᱝᱝᱢ = ᱓ᱦ/ᱝᱝᱢ = ᱬ

ᱩᱟᱣᱛ/ᱴᱵᱮᱠᱝᱹ. ᱠᱝᱹ.ᱸᱟᱶ ᱝᱮᱝᱶ ᱵᱵᱵᱯᱟ   - ᱬxᱪ =ᱥᱚ/ᱬxᱪ=ᱬᱬ/ᱝxᱝ=᱓

ᱩᱝᱣᱛ/ᱚᱵᱝᱵᱮ ᱝ.ᱣᱟ ᱠᱟᱹ.ᱸᱟᱶ ᱵᱵᱵᱯᱟ   - ᱬxᱬ = ᱓ᱚ/ᱝᱬ = ᱜᱚ/ ᱓ᱝᱬ.ᱬ = ᱚ

Reference Books.