

SYLLABUS FOR THE BATCH FROM YEAR 2025 TO 2026

FOR

Certificate Course Braille Training
Semester I
SESSION 2025-2026



DIRECTORATE OF OPEN & DISTANCE LEARNING
GURU NANAK DEV UNIVERSITY

(ESTABLISHED UNDER STATE LEGISLATURE ACT NO. 21 OF 1969)

Accredited by National Assessment and Accreditation Council (NAAC) At 'A++' Grade (Highest Level) As Per Modified Criteria Notified On 27/07/2017 And Conferred 'University with Potential for Excellence' Status and 'Category-I University' As Per University Grants Commission (F. No. 1-8-2017/(CPP-II) Dated 12/02/2018)

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Certificate Course Braille Training

Directorate of Open & Distance Learning

Guru Nanak Dev University, Amritsar

Eligibility:

- +2 in any stream with at least 45% marks in aggregate (40% for SC/ST candidates).
- Any student doing Bachelor Degree, Master Degree, M.Phil., Ph.D. from GNDU.

| Paper Code | Subject | Marks | | | Credits |
|------------|-----------------------------------|---------------------|----------|-------|---------|
| | | Internal Assessment | End Term | Total | |
| ODCBT111T | Introduction of Visual Impairment | 30 | 70 | 100 | 4 |
| ODCBT112T | Orientation And Mobility | 30 | 70 | 100 | 4 |
| ODCBT113T | History of Braille | 30 | 70 | 100 | 4 |
| ODCBT114P | Practical Braille | 50 | 50 | 100 | 4 |
| | TOTAL | 140 | 260 | 300 | 16 |

Certificate Course Braille Training
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ODCBT111T - :Introduction of Visual Impairment

Time: 03 Hours

Max. Marks: 100 Ciredt : 4

Marks Internal Assessment: 30 Marks

End Term: 70 Marks

Instructions for the Paper-Setter/examiner:

1. Question paper shall consist of Four sections.
2. Paper setter shall set Eight questions in all by selecting Two questions of equal marks from each section. However, a question may have sub-parts (not exceeding four sub-parts) and appropriate allocation of marks should be done for each sub-part.
3. Candidates shall attempt Five questions in all, by at least selecting One question from each section and the 5th question may be attempted from any of the Four sections.
4. The question paper should be strictly according to the instructions mentioned above. In no case a question should be asked outside the syllabus

SECTION -A

Definition, Causes & Prevention, Types, Educational Implication, and Management of Visual Impairment

Definition, Causes & Prevention, Types, Educational Implication, and Management of Blindness and Low Vision

SECTION-B

Assessment of children with VIAD;

Certificate Course Braille Training

Directorate of Open & Distance Learning

Guru Nanak Dev University, Amritsar

Teaching strategies for children with VIAD

SECTION-C

Role of multidisciplinary team in the education of VIAD Children

Seven-line system of Braille, English alphabets

SECTION-D

Different ways of embossing dot-combinations Base line assessment and short term goals based on normal development

Various signs used in English Braille punctuation marks, Capitalization, italics, numeric, Numerals;

Practice on the use of Braille writing devices—Pocket Frames, Inter-Line Frames, Inter-Point Frames, Brailers;

Reading and writing English Braille— Grade I

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Alys Young (2018). Deaf Children and Their Families: Sustainability, Sign Language, and

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Certificate Course Braille Training
Directorate of Open & Distance Learning
Guru Nanak Dev University, Amritsar

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Certificate Course Braille Training
Directorate of Open & Distance Learning
Guru Nanak Dev University, Amritsar

ODCBT112T – ORIENTATION AND MOBILITY

Time: 03 Hours

Max. Marks: 100 Ciredt : 4

Marks Internal Assessment: 30Marks

End Term: 100 Marks

Instructions for the Paper-Setter/examiner:

1. Question paper shall consist of Four sections.
2. Paper setter shall set Eight questions in all by selecting Two questions of equal marks from each section. However, a question may have sub-parts (not exceeding four sub-parts) and appropriate allocation of marks should be done for each sub-part.
3. Candidates shall attempt Five questions in all, by at least selecting One question from each section and the 5th question may be attempted from any of the Four sections.
4. The question paper should be strictly according to the instructions mentioned above. In no case a question should be asked outside the syllabus

SECTION –A

Auditory—Sound Localization, Discrimination, Masking Sound, Echo-Location and Sound Shadow; Tactile Exploration of Surfaces;Use of Kinesthesia

SECTION -B

Identification of clues and land marks in in-door and out-door environment and their use
 Protective Techniques

SECTION –C

Sighted Guide

Use of Abacus

Certificate Course Braille Training
Directorate of Open & Distance Learning
Guru Nanak Dev University, Amritsar
SECTION -D

Taylor Frame

Exercises involving directional concepts with the help of Taylor Frame;

Writing of numbers and digits;

Writing of various mathematical signs like plus, minus, multiplication, division etc.

Writing and doing various mathematical exercises—

- ☐ Addition
- ☐ Subtraction
- ☐ Multiplication
- ☐ Division

Certificate Course Braille Training

Directorate of Open & Distance Learning

Guru Nanak Dev University, Amritsar

ODCBT113T – History of Braille

Time: 03 Hours

Max. Marks: 100 Ciredt : 4

Marks Internal Assessment: 30Marks

End Term: 100 Marks

Section A

Introduction to Braille

- History and Importance of Braille
- Braille System and Its Uses
- Structure of Braille: The Six-Dot Cell
- Braille Writing Tools: Slate, Stylus, and Braille Embossers
- Introduction to Grade 1 Braille (Alphabet and Numbers)

Section B

Advanced Braille Reading and Writing

- Grade 1 Braille: Punctuation Marks and Symbols
- Grade 2 Braille (Contractions and Short Forms)
- Reading Tactile Diagrams and Charts
- Braille Writing Practice and Speed Development
- Common Challenges in Braille Literacy

Section C

Application of Braille in Daily Life

- Reading Books, Labels, and Signs in Braille
- Use of Technology in Braille (Braille Displays and Software)
- Mathematics in Braille (Nemeth Code Basics)
- Braille for Music Notation

Certificate Course Braille Training

Directorate of Open & Distance Learning

Guru Nanak Dev University, Amritsar

- Braille in Different Languages

Section D

Braille and Assistive Technology

- Digital Braille: Screen Readers and Braille Keyboards
- Audio vs. Braille: Complementary Learning Methods
- Creating Accessible Educational Materials
- Laws and Rights for Braille Users
- Future Innovations in Braille Learning

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The Story of Louis Braille – C. Michael Mellor

Just Enough to Know Better: A Braille Primer – Eileen P. Curran

Unified English Braille: Australian Training Manual – Australian Braille Authority

Instruction Manual for Braille Transcribing – Library of Congress, National Library Service for the Blind and Print Disabled

Margaret Davidson, 1990, "Louis Braille: The Boy Who Invented Books for the Blind".

American Printing House for the Blind (APH), 2020. *Advanced Braille Reading and Writing*

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Certificate Course Braille Training
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ODCBT114P – PRACTICAL BRAILLE

Time: 03 Hours

Max. Marks: 100 Credits : 4

Marks Internal Assessment: 50 Marks

External : 50 Marks

Punjabi / English / Hindi language alphabet Braille

Manual and Non-Manual Components

Tactile geometry kit and its use for drawing tactile diagrams and figures

Use of embossed globe, tactile maps and charts

Preparing Braille Calendar

Paragraphs;

Poems;

Poetry in prose format;

Poetry in verse format;

Making a mark sheet