



**Avinashilingam Institute for Home Science and Higher Education for Women**

(Deemed to be University under Category 'A' by MHRD, Estd. u/s 3 of UGC Act 1956)

Re-accredited with 'A+' Grade by NAAC. Recognised by UGC Under Section 12B

Coimbatore - 641 043, Tamil Nadu, India

B.Ed. Special Education (VI / HI) Degree Examination – March 2021  
I Semester

Class: I B.Ed. Special Education (VI)

Time : 3 Hours

Max. Marks : 100

**18BDSEV1 Discipline Specific Elective (DSE) - I: Braille and Assistive Devices**

**Part A**

**10 x 1 = 10**

**Choose the Correct Answer**

1. \_\_\_\_\_ is a system of reading and writing by touch used by the students with visual impairment.  
a. Audio books                      b. Braille                      c. Video                      d. Print books
2. Who is the inventor of the Braille code?  
a. Louis Braille                      b. Brook Taylor                      c. Taylor William                      d. Perkins
3. Teaching Mathematics for Visual Impairment is through  
a. Braille slate                      b. Taylor Frame and Abacus  
c. Print book                      d. Embossed sheet
4. Perkin Braille was a  
a. Braille                      b. Software reading lens  
c. Type writer                      d. Braille display
5. When was first Nemeth Code written?  
a. 1905                      b. 1932                      c. 1982                      d. 1952
6. Who invented Taylor Frame?  
a. Taylor William                      b. Taylor Swift                      c. Print book                      d. Perkins
7. Taylor Frame is for teaching  
a. Mobility                      b. Mathematics                      c. Geography                      d. Map
8. This is a calculating tool.  
a. Abacus                      b. Braille Display                      c. Embossed sheet                      d. Magnifier
9. Braille Embosser is a  
a. Map Printer                      b. Briller Printer                      c. Software                      d. Instant Scanner
10. JAWS is a  
a. Refreshable Braille Display                      b. Screen Reader  
c. Tactile Maker                      d. Magnifier

**Part B**

**5 x 6 = 30**

**Answer ALL questions**

**Each answer should not exceed 400 words or two pages**

- 11.a. State the evolution of Braille.  
(or)  
11.b. Explain the pre - requisite in learning Braille.
- 12.a. Discuss the uses of different Braille devices.  
(or)  
12.b. Write a short note on refreshable display.
- 13.a. Explain the procedure of setting numbers in Abacus and how do you add two digit numbers.  
(or)  
13.b. State whether Taylor Frame helps in solving mathematics.
- 14.a. Explain the importance of abacus in teaching mathematics.  
(or)  
14.b. Do Geometry kit is useful for learning geometry? Discuss.
- 15.a. What do you mean by optical devices?  
(or)  
15.b. Discuss the use of embossed teaching materials.

**Part C**

**5 x 12 = 60**

**Answer ALL questions**

**Each answer should not exceed 800 words or four pages**

- 16.a. Can the impact of blindness in education be met with the introduction of Braille reading and writing.  
(or)  
16.b. Write a note on Nemeth Code and Science Notations.
- 17.a. Do assistive devices help students with visual impairment? Discuss its types.  
(or)  
17.b. Discuss on the advantages of Typewriters, Note takers and Braille embossers.
- 18.a. Describe the steps in the procedures of addition and subtraction using Taylor Frame.  
(or)  
18.b. How do you teach multiplication and division using taylor frame?
- 19.a. Does Abacus play an important role in teaching mathematics to the students with visual impairment? Discuss.  
(or)  
19.b. Write a note on the procedures of using geometry kit while teaching geometry.
- 20.a. Explain the assistive devices used in teaching geography.  
(or)  
20.b. Explain the schemes and sources of availability of teaching learning devices for students with visual impairment.

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