

**Avinashilingam Institute for Home Science and Higher Education for Women  
(Deemed to be University) Coimbatore – 641 043**

Bachelor of Education Degree Examination – November 2018  
I Semester

Class : I B.Ed. Spl. Edn.

Time: 3 Hrs  
Max. Marks: 100

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

Part – A

10 X 1 = 10

Choose the Correct Answer

1. Where was Louis Braille Born ?
  - a. Bordeaux
  - b. Toulouse
  - c. Marseille
  - d. Coupvray
2. What caused Louis Braille's Blindness ?
  - a. Small Pox
  - b. Scarlet Fever
  - c. Born Blind
  - d. Accidental Injury
3. When was first Nemeth Code written ?
  - a. 1952
  - b. 1932
  - c. 1982
  - d. 1902
4. Perkin Brailier is
  - a. braille type writer
  - b. software
  - c. reading lens
  - d. braille display
5. Taylor frame is for teaching
  - a. mobility
  - b. mathematics
  - c. geography
  - d. map
6. Who invented Taylor Frame ?
  - a. Taylor William
  - b. Taylor Swift
  - c. Brook Taylor
  - d. Perkins
7. Which country introduce Abacus first ?
  - a. India
  - b. USA
  - c. Australia
  - d. China
8. JAWS is a
  - a. refreshable braille display
  - b. screen reader
  - c. tactile maker
  - d. magnifier
9. Who developed the Mathematical Braille Code ?
  - a. Abraham Nemeth
  - b. William Nemeth
  - c. Charles Babbage
  - d. Johanna Mansfield Sullivan Macy
10. Braille embosser is a
  - a. map printer
  - b. brailier printer
  - c. software
  - d. instant scanner

**Part – B**

**5 X 6 = 30**

**Answer the following questions**

**Answer should not exceed 400 words or two pages**

11. a. Explain the pre requisite in learning Braille.  
(or)
  11. b. Explain the need of Braille in the technology era.
  12. a. List out the types of Braille devices.  
(or)
  12. b. Write a note on Braille Embosser.
  13. a. How do you set a number in Taylor Frame ? Draw and explain.  
(or)
  13. b. Is Taylor frame useful for the low vision children ? Justify your answer.
  14. a. Discuss the merits and demerits of abacus.  
(or)
  14. b. Explain the use of Geometry kit in teaching Geometry.
  15. a. Describe the types of learning devices of Geography.  
(or)
  15. b. Write about the low vision aids.
- Part – C**
- Answer the following questions**
- Answer should not exceed 800 words or four pages**
- 5 X 12 = 60**
16. a. State the Evolution of Braille.  
(or)
  16. b. Write a note on Braille reading and writing processes.
  17. a. Compare the continuing relevance of Braille and Audio material for persons with visual impairment.  
(or)
  17. b. Give description on the relevance of Electronic Devices in teaching learning process of Braille.
  18. a. How to set the mathematical values in Taylor frame and multiply two digit numbers (Give Example).
  18. b. How do you teach division using Taylor Frame ? State with examples.  
(or)
  19. a. Explain how to use abacus to do addition and subtraction – Illustrate.  
(or)
  19. b. State multiplication and division step using abacus.
  20. a. Describe the use of teaching materials used in science learning.  
(or)
  20. b. Critically state the schemes and sources of availability of teaching learning devices for students with visual impairment.

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