**Avinashilingam Institute For Home Science And Higher Education For Women**
**Coimbatore – 641 043.**
**Continuous Internal Assessment Test II - October 2019**
**SEMESTER I**

Class : I B.Ed.Spl.Ed. Time: 2 Hrs.
Major:Spl Edn Max. Marks: 60

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

**Course Outcomes:**

CO1: Be able to analyze the impact of blindness
CO2: Be able to transcribe print in to Braille format by using Braille Slate as well as with mechanical Brailler in both Regional and English language with contractions
CO3: Be familiar with the different types of devices available for children with visual Impairment
CO4: Apply the knowledge of Taylor frame and abacus to teach visually impaired students, teachers, parents and to the caregivers.
CO5: Be familiar with various schemes and legislations available for PWDs

**PART – A** **5 x 1 = 5**

**Choose the correct answer**

1. Algebraic sums can be performed with the help of — CO3 K1
   a. abacus b. Taylor frame c. slate d. geo board
2. Abacus was adapted to visually impaired by — CO4 K1
   a. CarmenWilllings b. Nemeth
   c. Louis Braille d. division
3. Dot 3,4,6 in math refers — CO4 K1
   a. plus b. minus c. multiplication d. division
4. One of the main objectives of map reading is to — CO5 K1
   a. develop skill of drawing b. provide variety in education
   c. form a mental picture of a geographical area d. score better in social studies
5. Find which one is not belong to optical devices — CO5 K1
   a. spectacle b. hand magnifier c. typo scope d. telescope

**PART – B** **5 x 2 = 10**

**Answer the following in one or two sentences**

6. List various mathematical devices available for children with visual impairment. — CO3 K1
7. Mention prerequisite skills needed to learn abacus. — CO4 K1
8. Explain the term – setting and clearing — CO4 K2
9. Define optical devices. — CO5 K1
10. List any four non optical devices used by low vision students — CO5 K1

**PART – C** **3 x 5 = 15**

**Answer ALL Questions**

**Answer should not exceed 200 words or one page**

11. a. Design an abacus and explain its features — CO2 K6

(or)

11. b. Write a note on teaching geometry to the visually impaired — CO3 K6
12. a. List some of the science teaching material for the visually impaired — CO4 K4

(or)

12. b. Construct the Nemeth code: — CO4 K6
    (i) 22 +66 (ii) 70-37 (iii) 45 X45 (iv) 12<14 (v) 10+5 = 15
13. a. List the types of maps. And explain the pre requisite skills needed to learn map effectively by the children with visual impairment. — CO5 K4

(or)

13. b. Write various schemes available for children with visual impairment. — CO5 K3

## PART – D 2 x 15 = 30

**Answer the following**

**Answer should not exceed 700 words or four pages**

| | | | | |
|---|---|---|---|---|
| 14. | a. | Explain teaching multiplication with an illustration using Abacus/Taylor frame. | CO3 | K6 |
| | | (or) | | |
| 14. | b. | Explain teaching multiplication and division with an illustration using Abacus. | CO3 | K6 |
| 15. | a. | Define optical and non optical devices and classify the same with its advantages and disadvantages. | CO4 | K4 |
| | | (or) | | |
| 15. | b. | Explain various vision training materials with reference to vision skills along with illustration | CO4 | K6 |

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