

**Avinashilingam Institute For Home Science And Higher Education For Women
Coimbatore – 641 043.**

**Continuous Internal Assessment Test II - October 2018
SEMESTER I**

Class : I B.Ed.Spl.Ed.
Major: Spl Edn

Time: 2 Hrs.
Max. Marks: 60

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

Course Outcomes:

- CO1: Familiarize with the different types of devices available for children with visual impairment
- CO2: use Taylor frame and abacus to teach visually impaired students, teachers, parents and to the caregivers
- CO3: Be familiar with various schemes and legalizations available or PWD's

PART – A

5 x 1 = 5

Choose the correct answer

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

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 uses 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. Sketch the advantages and disadvantages in using Abacus CO3 K6
12. a. Describe the rules adapted in abacus while doing calculations CO4 K4
(or)
12. b. Construct the Nemeth code:
(i) $22 + 66$ (ii) $70 - 37$ (iii) 45×45 (iv) $12 < 14$ (v) $10 + 5 = 15$ CO4 K6
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 addition and subtraction with an illustration using Abacus. CO3 K6
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
15. b. Explain various vision training materials with reference to vision skills along with illustration CO4 K6

$$2^2 = 1 \times 2$$

A - 17A4

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