



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

Bachelor of Education Degree Examination – April 2019
IV Semester

Class : II B.Ed. Spl. Edn.

Time: 3 Hrs
Max. Marks: 100

17BDSSV4 Specialization : Technology and Education of Children with Visual Impairment

Part – A

10 X 1 = 10

Choose the correct answer

1. In India, the first attempt to educate blind was by
 - a. National Disability Authority
 - b. National Discipline Authority
 - c. National Disability Auditing
 - d. Miss Anne Sharp
2. It converts 128 ASCII characters to braille on a 20 cell refreshable braille display
 - a. Computer Combo Brain Enable
 - b. Computer Concept Brain Establish
 - c. Computer Controlled Braille Embosser
 - d. Computer Controlled Brain Embosser
3. Low vision examination does not include
 - a. ocular motility
 - b. refraction
 - c. visual field
 - d. diffraction
4. Access technology such as _____ enables the blind to use mainstream computer.
 - a. Telescope
 - b. Monitor and Printer
 - c. Screen reader and magnifier
 - d. Play Software
5. The characteristics of visual impairment is divided in _____ category.
 - a. 7
 - b. 5
 - c. 4
 - d. 9
6. This acts as a visible interface between the machine and the user.
 - a. Application Software
 - b. Widgets Software
 - c. System Software
 - d. All the above
7. Indicate the low vision level that cannot be fully corrected.
 - a. 50/70
 - b. 70/100
 - c. 20/70
 - d. 20/100
8. A _____ is a plastic like paper with a matte surface, which is non-toxic, moisture proof and safe for use in classrooms
 - a. Braille Paper
 - b. Thermoform Paper
 - c. Swell Paper
 - d. Flash Card
9. This is a cross platform open type format font used to print the various positions.
 - a. Geo Board
 - b. Taylor Frame
 - c. Abacus
 - d. Colour Probes
10. Most visual impairment is caused by
 - a. Disease and malnutrition
 - b. Genetic defects
 - c. Abnormalities and eye injury
 - d. all of the above

Answer the following questions

Answer should not exceed 400 words or two pages

11. a. A brief note on UN conventions on rights of person with disabilities.
(or)
11. b. Write down the scope of ICT in Education.
12. a. Explain the principles of Universal Design.
(or)
12. b. Explain the role of adaptive technology in dealing special children.
13. a. Write down the advantages of using smart phones in learning.
(or)
13. b. Describe online libraries.
14. a. Explain the following: i. Charts ii. Diagrams iii. models
(or)
14. b. What is Taylor Frame ? What are the advantages of using Taylor Frame for calculations ?
15. a. How social media are helpful in teaching – learning process ?
(or)
15. b. Write down the benefits of ICT in Education.

Part – C

5 X 12 = 60

Answer the following questions

Answer should not exceed 800 words or four pages

16. a. Mention the special significance and goals of technology for visually impaired children.
(or)
16. b. Describe the concept, importance and scope of Educational Technology in Education.
17. a. Write down the role of IIT's and scientific community in the development of adaptive technology.
(or)
17. b. Explain the concept and principles of Inclusive Education and its advantages and limitations.
18. a. Describe about Braille translation software and its importance.
(or)
18. b. Write down the importance of magnifying software and open source software.
19. a. Describe low vision devices and their functions.
(or)
19. b. List out the benefits of software for science.
20. a. Describe the role and functions of e-classroom.
(or)
20. b. Write down the steps in creation of blogs.
