



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 – July 2020
IV Semester

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

Time : 2 Hours
Max. Marks : 50

**18BDSSV4 Specialization: Technology and Education of Children with
Visual Impairment**

Course Outcomes:

- CO1: Relate ICT to the education of children with visual impairment
CO2: Adapt technology for the visually impaired
CO3: Be familiar with print access technologies for the visually impaired
CO4: Apply appropriate technologies for teaching various school subjects to the low vision children
CO5: Apply computer aided teaching learning for the children with visual impairment

Part A **10 x 1 = 10**
Choose the Correct Answer

1. The expansion of NDA is CO1 K1
a. National Disability Authority b. National Discipline Authority
c. National Disability Auditing d. National Disadvantage Authority
2. It converts 128 ASCII characters to braille on a 20 cell refreshable braille display. CO1 K2
a. Computer Combo Brain Enable b. Computer Concept Brain Establish
c. Computer Controlled Braille Embosser d. Computer Controlled Brain Embosser
3. National library for blind is situated in CO3 K1
a. Brazil b. United Kingdom
c. Belgium d. New York
4. Access technology such as _____ enable the blind to use mainstream computer. CO2 K1
a. telescope b. monitor and printer
c. screen reader and magnifier d. play software
5. This is the cause for retinitis pigmentosa. CO2 K2
a. Disease and malnutrition b. Genetic defects
c. Abnormalities d. Birth anomaly
6. This acts as a visible interface between the machine and the user. CO2 K2
a. Application software b. Widgets software
c. System software d. All the above
7. A / An _____ is a personal online journal that is frequently updated and intended for general public consumption. CO3 K1
a. social media b. ICT
c. Blog d. e-Classroom
8. A _____ is a plastic like paper with a matte surface, which is non-toxic, moisture proof and safe for use in classrooms. CO3 K2
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. CO3 K2
 a. Geo Board b. Taylor Frame
 c. Abacus d. Colour Probes
10. Usage of thermoform machine becomes expensive if beyond _____ braille text materials are needed. CO4 K4
 a. 15 b. 30
 c. 50 d. 100

Part B

3X6=18

**Answer any three of the following
 Each answer should not exceed 400 words or two pages**

11. Write a brief note on UN Convention on Rights of Person with Disabilities. CO4 K1
12. Write down the scope of ICT in education. CO1 K2
13. Explain the principles of Universal Design. CO4 K2
14. Explain the role of adaptive technology for special needs children. CO2 K3
15. Write down the advantages of using smart phones in learning. CO4 K2
16. Give an account on online libraries. CO4 K2
17. Explain the following: a. Charts b. Maps c. Models. CO4 K2
18. Account the limitations in using Taylors Frame. CO2 K2
19. How do social media help visually impairment persons in their education? CO5 K3
20. Write down the benefits of ICT in Education. CO1 K3

Part C

2X11=22

**Answer any two of the following
 Each answer should not exceed 800 words or four pages**

21. Technology is a boon to visually impairment persons – Comment. CO2 K4
22. Describe the concept and scope of educational technology in education. CO2 K3
23. Write down the role of IIT's and scientific community in adapting technology for the disabled persons. CO2 K4
24. Outline inclusive education. CO4 K3
25. Explain the role of Book store and online library. CO3 K3
26. Write down the use of Optical Magnifiers and Electronic Magnifiers. CO4 K2
27. Describe optical and non optical used for low vision. CO4 K4
28. Describe any four Braille writing devices. CO3 K2
29. Describe the advantages of e-classroom for persons with visual impairment. CO5 K2
30. Write down the steps in creation of blogs. CO5 K4
