



Mamiraj

**Avinashilingam Institute for Home Science and Higher Education for Women**

(Deemed to be University Estd. u/s 3 of UGC Act 1956, Category A by MHRD)

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 – May 2022  
IV Semester**

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

Time : 3 Hours

Max. Marks : 100

**18BDSSH4 Specialization: Technology and Education of Children with  
Hearing Impairment**

**Course Outcomes:**

CO1: Draw a neat labelled block diagram of hearing aid. Prepare a list of tips for minor trouble shooting

CO2: Prepare a list of agencies for procuring equipment and software for teaching speech

CO3: Make a story using web based content, pictures, images and video clips

CO4: Compile different educational apps

CO5: Compile a list of government and non-government funding agencies for aids & appliances

**Part A**

**10 x 1 = 10**

**Choose the Correct Answer**

1. Hearing aids which do not need a Telecoil to act as a receiver is  
a. ITE                      b. CIC                      c. BTE                      d. ITC                      CO1 K1
2. Which of the following material is NOT preferred for making a Ear mould?  
a. Acrylic                      b. Vinyl                      c. Silicone                      d. Plastic                      CO1 K2
3. Therapy that refers to the application of telecommunication technologies to provide speech-language pathology services at a distance is  
a. Tele-speech                      b. Synthetic                      c. Analytic                      d. Cued – Speech                      CO2 K1
4. Vaghmi - the therapy software does NOT include the following module under therapy:  
a. Voice Therapy                      b. Articulation Therapy  
c. Nasalence Therapy                      d. Fluency Therapy                      CO2 K2
5. The National Joint Committee for the Communication Needs of Persons with Severe Disabilities provides resources relating to  
a. MRM                      b. ISL                      c. AAC                      d. PSE                      CO3 K2
6. The Language app breaks through the communication barrier at family gatherings, social events or work meeting  
a. Roger voice                      b. Ava                      c. Signly                      d. Voxsci                      CO3 K3
7. A great alternative Assistive Listening solution when circumstances prevent hearing loops being installed.  
a. Hearing loops                      b. Infrared systems                      c. Audio over Wifi                      d. FM Systems                      CO4 K2
8. Hearing loops function by creating an alternating \_\_\_\_\_ field at audio frequencies which provide an input signal for a Telecoil enabled hearing aid.  
a. magnetic                      b. electrical                      c. solar                      d. radar                      CO4 K1
9. The Hearing Aids will be provided only to the Hearing Impaired children up to the age of \_\_\_\_\_ under the NPPCD.  
a. 10 years                      b. 12 years                      c. 14 years                      d. 16 years                      CO5 K1
10. The ADIP Scheme provides the following type of Hearing aid for the Hearing Impaired  
a. ITE                      b. CIC                      c. ITC                      d. BTE                      CO5 K2

**Part B**

**5 x 6 = 30**

**Answer ALL questions**

**Each answer should not exceed 400 words or two pages**

- 11.a. Enumerate the Types and Importance of Ear Moulds. CO1 K1  
(or)
- 11.b. Describe the Candidacy for Brainstem Implant under ADIP Scheme. CO1 K1
- 12.a. Paraphrase the use of Computer based Speech equipment for management of Voice in Children with Hearing Impairment. CO2 K2  
(or)
- 12.b. Summarize the use of Computer based Speech equipment for management of Suprasegmental features in Children with Hearing Impairment. CO2 K2
- 13.a. Determine the applications of low cost technology in developing teaching learning material for facilitating Language and Communication for the Hearing Impaired. CO3 K3  
(or)
- 13.b. Write the advantages and disadvantages of the various Electronic and Web based Technology devices for teaching Language to the Hearing Impaired. CO3 K3
- 14.a. Differentiate Web based learning and Computer assisted learning. CO4 K4  
(or)
- 14.b. Analyze the Meaning and Scope of Universal Design of Learning. CO4 K4
- 15.a. Compile any Five Government or Non Governmental Agencies for procuring Aids and Appliances for the Hearing Impaired. CO5 K5  
(or)
- 15.b. Recommend few strategies to locate required Human Resources for various Services and Referrals for providing Aids and Appliances to the Hearing Impaired. CO5 K6

**Part C**

**5 x 12 = 60**

**Answer ALL questions**

**Each answer should not exceed 800 words or four pages**

- 16.a. Classify Hearing Aids based on Style (Body level and Ear level). CO1 K2  
(or)
- 16.b. Identify the Candidacy ,Components and Functioning of Cochlear Implant. CO1 K2
- 17.a. Explain the advantages and limitations of Computer Based Training for teaching Speech to the Hearing Impaired. CO2 K3  
(or)
- 17.b. Demonstrate the basic Infrastructure required for using Computer based Speech Training Aids or Equipment. CO2 K3
- 18.a. Outline any Five Language Apps used for Children with Hearing Impairment. CO3 K4  
(or)
- 18.b. Explain the different types of Alternative and Augmentative Communication. CO3 K4
- 19.a. Discover the Changing Trends in Teaching and Learning using Technology for Educational Purposes of the Hearing Impaired. CO4 K2  
(or)
- 19.b. Discuss the applications of ICT in the education of children with hearing impairment. CO4 K2
- 20.a. Formulate the Eligibility Criteria and Procedure for availing funding under any one Government Scheme. CO5 K6  
(or)
- 20.b. Report the challenges encountered with cost involved in maintenance of devices after availing funding and ways to overcome the challenges. CO5 K6