**Assignment unit 1**

 **Submitted to: Shijith Kumar**

**Submitted by: Mangal Chandra Yadav**

summary of your research interests (*not more than 200 words*) and list out the specific information resources pertaining to the area of research as given below.

 ***Development of Sentence test in Hindi***

***Objective***: the aim of the study was to develop a test material in Hindi for assessing sentence recognition threshold in noise. ***Design:*** the study was conducted in two phase. First phase involved three experiment. First experiment involved the collection and recording of sentence material. In second experiment, sentence perception was assessed at five signal to noise ratios (SNRs) for equalization of sentence material. In the final experiment using numerical optimization procedure 20 different list with 10 sentences each formulated. Second phase of the experiment also involved three experiment. The first experiment was aimed at assessing sentence identification score foe each list at -8 and -2 dB SNR. In second experiment, SNR for 50% correct sentence score was estimated. In the third experiment developed list was administered on clinical population***. Study sample:*** total of 130 native Hindi participated in study. thirty listener with normal hearing sensitivity participated in first phase of experiment, 80 listeners with normal hearing sensitivity and 20 listeners with hearing loss participated in second phase of experiment. ***Result***: 20 listener list were formulated. list was found to be of equivalent difficulty in normal hearing listener. the average SNR 50% was 4.56 dB with a SD of 0.45. *The clinical utility of the test was also assessed on individual with mild and moderate degree of hearing loss.* ***Conclusion:*** the developed test provides a valid and reliable measuring sentence recognition threshold in noise for native speakers of Hindi.

Any five scientific journals from among the AIISH subscriptions (*Name of the journal, publisher, available issues with volume  no. & year  i.e. From V. No. 1 (1) Year to V. ...., Year....*)

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|  **Sl.No** | **Name of the E-Journal** | publisher  | volume | year | Volume | Year |  **Subscription Category** |
| 1. | Hearing research | Elseiver B.V | Vol.1,issue 1 | 1978 | Vol.346 | 2017 | AIISH |
| 2. | Acta Oto-Laryngologica | Taylor and Francis | Vol.1Issue 1 | 1918 | Vol.137,Issue 4 | 2017 | AIISH |
| 3. | Audiology And Neurotology | S.Karger | Vol.1.Issue 1 | 1996 | Vol.21. Issue 6 | 2017 | AIISH |
| 4. | International Journal of Audiology | Informahealthcare | Vol.1.Issue 1 | 1962 | Vol.56.Issue4 | 2017 | AIISH |
| 5. | Seminars in Hearing | Thieme | Vol.1.Issue 1 | 1980 | Vol.38.Issue1 | 2017 | AIISH |
| 6. | American Journal of Audilogy | American Speech Language Hearing Association | Vol1. Issue1 | 1991 | VoL.26.Issue 1 | 2017 | AIISH |

**Any 10 books available with AIISH L& IC  (*Name/ title of the book, Author, Publisher, Year, Accession N***

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| Name/title of the book  | Author | Publisher | Year | Accession no. |
| Clinical application of the auditory brainstem response  | Hood, Linda J | Singular publishing group | 1988 | 12256 |
| Auditory-verbal therapy and practice | Warren Estabrooks  | Washington, DC:Alexander Graham Bell Association for the Deaf and Hard of Hearing | 2006 | 15514 |
| Handbook of clinical audiology | Jack katz. | Lippincott Williams & wilkins  | 2009 | 17770 |
| Compression for clinician  | Theodore H venema  | Delmer cengage learing  | 2006 | 17939 |
| Assessment and management of central processing disorders in the educational setting: from science to practice  | Teri james belis  | Delmer cengage learing | 2003 | 19545 |
| Hearing in children | Northern,jerry L | Plural publisher  | 2014 | 19814 |
| Hearing aids  | Harvey dillon | Thieme  | 2001 | 13453 |
| Hearing | Stanley A Gelfand  | Marcel Dekker Inc | 1998 | 11769 |
| otolaryngology | Roger F.Gray | K M Varghese company | 2008 | 1992 |
| Clinical Audiology: An Introduction | Brad A. Stach | Delmar, Cengage Learning | 1998 | *11802* |

**c. Any five PG dissertations (*Name/Title of the report, Author, Guide, Year, Accession Number*)**

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| **Name/title of the report** | **Author**  | **Guide** | **Year** | **Accession no.** |
| **An evaluation of the influence of temporal processing on hearing aid outcome** | **Padmashree B** | **Manjula P** | **2015** | **1070** |
| **Are different hearing aid setting required for different languages**  | **Nisha k .v**  | **Manjual P** | **2013** | **941** |
| **Bisyllabic word list for testing speech recognition threshold in Manipuri language for adult** | **Akbar shah**  | **Sreeraj k**  | **2013** | **937** |
| **Central auditory processing skills in older individuals**  | **Sandeep mohan**  | **Asha yathiraj**  | **2013** | **947** |
| **Audiological characteristics in the elderly population: India context** | **Md.thareeque p** | **Sujeet Kumar Sinha**  | **2015** | **1066** |

**Any two ARF projects (*Name/Title of the report, Investigators, Year, Accession Number*)**

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| **Name/title of the report**  | **Investigator**  | **Year**  | **Accession no.** |
| **Auditory evoked potential correlates of speech and music in individual with and without musical ability**  | **Ajith Kumar u** | **2015** | **Th.78** |
| **Auditory percetual training of non native : Role of auditory and cognative factors**  | **Ajith Kumar u** | **2015** | **Th.76** |

2. Critically evaluate the following information resources pertaining to communication disorders:

a. Encyclopedia of Communication Disorders

b. Status Disability of India, 2012.

**a.*Encyclopedia of Communication Disorders***:

Edited by Raymond Kent (professor of communication disorders at the university of Wisconsin, Madison).

The MIT Encyclopaedia of Communication Disorders (MITECD) is a comprehensive volume that presents essential information on communication sciences and disorders. The pertinent disorders are those that a¤ect the production and comprehension of spoken language and include especially disorders of speech production and perception, language expression, language comprehension, voice, and hearing. Potential readers include clinical practitioners, students, and research specialists. Relatively few comprehensive books of similar design and purpose exist, so MITECD stands nearly alone as a resource for anyone interested in the broad field of communication disorders. MITECD is organized into the four broad categories of Voice, Speech, Language, and Hearing. These categories represent the spectrum of topics that usually fall under the rubric of communication disorders (also known as speech-language pathology and audiology, among other names). It is to be expected that the Encyclopedia would include cross-referencing within and across these four major categories. In designing the content and structure of MITECD, it was decided that each of these major categories should be further subdivided into Basic Science, Disorders (nature and assessment), and Clinical Management (intervention issues) Definitions and characterization of specific disorders and tools, instrumentations for assessment, identification and diagnosis. Various clinical management approaches such as behavioral, pharmacological, surgical, therapeutic, prosthetic options are specified for different disordered population on age basis, as management options varies for children and adult. Recent advanced options for benefiting population with hearing impairment such as cochlear implantation for children and adults, Alaryngeal voice for laryngectomees, computer based approaches information is provided. Therefore, this book could be considered as bible for the students and professional in the field of speech and language pathology and audiology which provides the overall view in each and every specific disorder.

**B. status of Disability in India, 2012** : publication by the Rehabilitation council of India (department of disability affairs under ministry of social justice & empowerment ,govt.of india)

The book consists of collate of information on disability and which has been put it in the public domain so that the person with disability and their stakeholders are able to ascertain the current situation on the disability in India. this document is published by RCI for every five years approximately. Earlier documentation was in 2000,2003, 2007.the recent documentation was in 2012 in which information about the overview on cross disability namely hearing impairment, visual impairment, locomotor disability, mental retardation, autism, cerebral palsy, deaf-blindness, multiple disabilities, mental illness and spinal cord injuries in the country are discussed. Definition, cause, associated problems, early intervention, modes of therapeutic approaches, regional service deliveries and current census and research related information is described. Through the introductory chapter covering the historical, philosophical and sociological perspectives are provided. Introduction to various disability policies, legislation, magnitude of the disability in the country are discussed. Agencies, institutions and issues concerning the person with disabilities, current trends and developments including research in the area of disabilities, technology impacts and how to use such technology for enhancing better life for the person with the disability in the country. It also gives insight into the areas of early intervention, education, vocational training, employment, human resource development technology, research and development.it provide clear details about the policies and legislation. UNCRPD united nations convention on rights of person with disabilities highlighting needs and human rights for the disabled. right for education, sarva shiksha abhiyan, inclusive education and legislations such as PWD, RCI, NTA MHA are certain legislation bodies striving for the enhancing quality of life for the disabled population. this document is very useful for the students, professionals, researchers and clinicians, working agencies for the disabled population under the governmental and non-governmental to know and further improve the modes and methods of service delivery, to put forward the issues and implementation of government schemes and policies for the better and happier life for disabled population.

Name the publishers of the AIISH subscribed e-journals (*Title of the journal, Name of the Publisher*)

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| **S. No.** | **Title of the Journal** | **Name of the pubshisher** | **Year**  |
| 1. | Acta Oto-laryngologica | Taylor & Francis Online | 1918 |
| 2. | Advances in Autism | Emerald Publishing | 2016 |
| 3. | Aging, Neuropsychology and Cognition | Taylor & Francis Online | 1997 |
| 4. | American Annals of Deaf | Gallaudet University Press | 1980 |
| 5. | American Journal of Audiology | ASHA wire | 1991 |
| 6. | America Journal of Speech Language Pathology | ASHA wire | 1991 |
| 7. | Annals of Dyslexia | Springer Link | 1997 |
| 8. | Aphasiology | Taylor & Francis Online | 1997 |
| 9. | Applied Acoustics | Elsevier - Science Direct | 2017 |
| 10. | Applied Psycholinguistics | Cambridge Core University Press | 1999 |
| 11. | Archives of Otolaryngology Head and Neck Surgery | AMA Publications | 1998 |
| 12. | Audiology and Neuro-Otology | Karger AG Publishers | 1996 |
| 13. | Augmentative and Alternative Communication | Taylor & Francis Online | 1985 |
| 14. | Autism: The International Journal of Research and Practice | SAGE Publications | 1999 |
| 15. | Autism Research | John Wiley & Sons | 2010 |
| 16. | Bilingualism: Language and Cognition | Cambridge Core University Press | 1998 |
| 17. | Brain and Language | Elsevier - Science Direct | 1974 |
| 18. | Canadian Journal of Linguistics | Cambridge Core University Press | 2017 |
| 19. | Child Language Teaching and Therapy | SAGE Publications | 1997 |
| 20. | Cleft and Craniofacial Journal | American Cleft Palate – Craniofacial Association | 1990 |
| 21. | Clinical Linguistics and Phonetics | Taylor & Francis Online | 1987 |
| 22. | Cochlear Implants International | Taylor & Francis Online | 2000 |
| 23. | Communication Disorders Quarterly | SAGE Publications | 1998 |
| 24. | Cortex | Elsevier - Science Direct | 2007 |
| 25. | Deafness and Education | Taylor & Francis Online | 1999 |
| 26. | Dementia | SAGE Publications | 2002 |
| 27. | Dyslexia | John Wiley & Sons | 2010 |
| 28. | Dysphagia | Springer Link | 1997 |
| 29. | Ear and Hearing | Lippincott Williams & Wilkins, Ovid – Wolters Kluwer | 1980 |
| 30. | Evidence Based Communication Assessment and Intervention | Taylor & Francis Online | 2007 |
| 31. | Exceptional Children | SAGE Publications | 2001 |
| 32. | Focus on Autism and Other Developmental Disabilities | SAGE Publications | 1999 |
| 33. | Folia Phoniatrica | Karger AG Publishers | 1949 |
| 34. | Gesture | Ingenta Connect | 2011 |
| 35. | Hearing Balance and Communication (Audiological Medicine) | Taylor & Francis Online | 1997 |
| 36. | Hearing Journal | Lippincott Williams & Wilkins, Ovid – Wolters Kluwer | 1994 |
| 37. | Hearing Research | Elsevier - Science Direct | 2010 |
| 38. | International Journal of Applied Linguistics | John Wiley & Sons | 2016 |
| 39. | International Journal of Audiology | Taylor & Francis Online | 1962 |
| 40. | International Journal of Bilingual Education and Bilingualism | Taylor & Francis Online | 1998 |
| 41. | International Journal of Bilingualism | SAGE Publications | 1997 |
| 42. | International Journal of Language and Communication Disorders | John Wiley & Sons | 1997 |
| 43. | International Journal of Pediatric Otorhinolaryngology | Elsevier - Science Direct | 2007 |
| 44. | International Journal of Speech Language and the Law (formerly Forensic Linguistics) | Equinox Publishing Limited | 1998 |
| 45. | International Journal of Speech Language Pathology | Taylor & Francis Online | 1997 |
| 46. | International Journal of Speech Technology | Springer Link | 1989 |
| 47. | Journal of Applied Research in Intellectual Disabilities | John Wiley & Sons | 2010 |
| 48. | Journal of Autism and Developmental Disorders | Springer Link | 1997 |
| 49. | Journal of Child Language | Cambridge Core University Press | 1997 |
| 50. | Journal of Child Psychology and Psychiatry | John Wiley & Sons | 2010 |
| 51. | Journal of Cleft Lip Palate and Craniofacial Anomalies | Wolters Kluwer - Medknow | 2016 |
| 52. | Journal of Cognition and Development | Taylor & Francis Online | 2000 |
| 53. | Journal of Cognitive Neuroscience | Massachusetts Institute of Technology Press | 1989 |
| 54. | Journal of Communication Disorders | Elsevier - Science Direct | 1967 |
| 55. | Journal of Early Intervention | SAGE Publications | 1999 |
| 56. | Journal of Fluency Disorders | Elsevier - Science Direct | 1974 |
| 57. | Journal of Indian Academy of Applied Psychology | Indian Academy of Applied Psychology | 2015 |
| 58. | Journal of Indian Speech and Hearing Association | Wolters Kluwer - Medknow | 2016 |
| 59. | Journal of Intellectual and Developmental Disability | Taylor & Francis Online | 1976 |
| 60. | Journal of Interactional Research in Communication Disorders | Equinox Publishing Limited | 2010 |
| 61. | Journal of Laryngology and Otology | Cambridge Core University Press | 1887 |
| 62. | Journal of Laryngology and Voice | Wolters Kluwer - Medknow | 2017 |
| 63. | Journal of Learning Disabilities | SAGE Publications | 1999 |
| 64. | Journal of Memory and Language | Elsevier - Science Direct | 2007 |
| 65. | Journal of Neurolinguistics | Elsevier - Science Direct | 1985 |
| 66. | Journal of Phonetics | Elsevier - Science Direct | 1995 |
| 67. | Journal of Pragmatics | Elsevier - Science Direct | 2007 |
| 68. | Journal of Psycholinguistic Research | Springer Link | 1997 |
| 69. | Journal of Special Education | SAGE Publications | 1999 |
| 70. | Journal of Speech Language and Hearing | ASHA wire | 1958 |
| 71. | Journal of the Acoustical Society of America | AIP Publishing LLC | 1930 |
| 72. | Journal of the American Academy of Audiology | Ingenta Connect | 2002 |
| 73. | Journal of the International Phonetic Association | Cambridge Core University Press | 2001 |
| 74. | Journal of Vestibular Research | Meta Press | 2000 |
| 75. | Journal of Voice | Elsevier - Science Direct | 1987 |
| 76. | Laboratory Phonology | De Gruyter Mouton | 2010 |
| 77. | Language Acquisition | Taylor & Francis Online | 2014 |
| 78. | Language and Cognition and Neuroscience (formerly Language and Cognitive Processes) | Taylor & Francis Online | 1997 |
| 79. | Language and Communication | Elsevier - Science Direct | 2007 |
| 80. | Language and Speech | SAGE Publications | 1999 |
| 81. | Language Learning | John Wiley & Sons | 2006 |
| 82. | Language Sciences | Elsevier - Science Direct | 2007 |
| 83. | Language Speech and Hearing Services in Schools | ASHA wire | 1970 |
| 84. | Laryngoscope | ASHA wire | 1997 |
| 85. | Learning Disability in Quarterly | SAGE Publications | 2010 |
| 86. | Learning Disabilities Research & Practice | John Wiley & Sons | 2000 |
| 87. | Logopedics Phoniatrics Vocology | Taylor & Francis Online | 1991 |
| 88. | Noise & Health | Wolters Kluwer - Medknow | 2015 |
| 89. | Otolaryngologic Clinics of North America | Elsevier - Science Direct | 1998 |
| 90. | Otology and Neurotology | Lippincott Williams & Wilkins, Ovid – Wolters Kluwer | 2001 |
| 91. | Perspectives of the ASHA Special Interest Groups | ASHA wire | 2016 |
| 92. | Phonology | Cambridge Core University Press | 1997 |
| 93. | Reading and Writing | Springer Link | 1997 |
| 94. | Research in Autism Spectrum Disorders | Elsevier - Science Direct | 2007 |
| 95. | Seminars in Hearing | Georg Thieme Verlag KG | 1980 |
| 96. | Seminars in Speech and Language | Georg Thieme Verlag KG | 1984 |
| 97. | Sign Language and Linguistics | Ingenta Connect | 2016 |
| 98. | Speech Communication | Elsevier - Science Direct | 1982 |
| 99. | Speech, Language and Hearing | Taylor & Francis Online | 1996 |
| 100. | The Analysis of Verbal Behavior | Springer Link | 2014 |
| 101. | Topics in Language Disorders | Lippincott Williams & Wilkins, Ovid – Wolters Kluwer | 2001 |
| 102. | Trends in Cognitive Sciences | Elsevier - Science Direct | 2016 |