FATHER MULLER COLLEGE
KANKANADY
MANGALORE-575002

2020-21 Batch 4th Semester

Reg. No. | | | | | | | | |

AH 401

Credit Based IV Semester M. Sc. Audiology Degree Examination, November 2022

(Semester Scheme) (2020-22 Batch Onwards)

IMPLANTABLE AUDITORY DEVICES

Time: 3 Hours Max. Marks: 70

Unit-I

1. Explain the candidacy criteria for middle ear implants. Describe the audiological assessments done to determine the candidacy for middle ear implants? (14)

OR

2. Explain the pre-requisites required to start an IHD program. (14)

Unit-II

3. Write an essay on different types of bone conduction implantable devices. (14)

OR

4. (a). Write a note on different transducers used in MEI's (7)
   (b). Elaborate on partially and totally implantable MEI's. (7)

Unit-III

5. Explain the external and internal components of cochlear implants in detail. (14)

OR

6. Write a note on the patient function measures used during intra-operative monitoring of CI (14)

Unit-IV

7. Elaborate on Bimodal, Bilateral and Hybrid cochlear implants. (14)

OR

8. Describe the subjective measures used for mapping cochlear implants. (14)

Unit-V

9. Explain the audiological and non-audiological assessments to determine the candidacy for auditory midbrain implant. (14)

OR

10. Explain the post-operative programming of Auditory Brainstem Implant. (14)

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AH 402

Credit Based IV Semester M. Sc. Audiology Degree Examination, November 2022

(Semester Scheme) (2020-22 Batch Onwards)

ADVANCES IN MANAGEMENT OF HEARING LOSS

Time: 3 Hours Max. Marks: 70

Unit-I

1. Describe the applications of LASER technology in ear-mold production and also write note on acoustic modifications of ear-mold. (14)

OR

2. Explain the techniques to control acoustic feedback in hearing aids (14)

Unit-II

3. How do physiological techniques help in hearing aid fitting and verification? (14)

OR

4. How do you proceed with pre-fitting assessment, selection, fitting verification and validation of hearing aids? (14)

Unit-III

5. Describe the various digital methods to enhance the speech signal processed through hearing aids. (14)

OR

6. Write an essay on the speech perception outcome with directional microphones and digital noise reduction algorithms. (14)

Unit-IV

7. Short notes on

   (a). AVT (7)

   (b).Auditory plasticity. (7)

8. Short notes on

   (a)Trouble-shooting and fine-tuning of hearing aids. (7)

   (b) Counselling the new users of hearing aids. (7)

Unit-V

9. Explain the audiological and non-audiological management techniques for tinnitus (14)

OR

10. Describe the audiological and non-audiological management techniques for persons with hypercusis. (14)

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AS 403

Credit Based IV Semester M. Sc. Audiology Degree Examination, November 2022

(Semester Scheme) (2020-22 Batch Onwards)

AUDIOLOGY IN PRACTICE

Time: 3 Hours Max. Marks: 70

Unit-I

1. Explain the scope of practice of Audiology in India. Write a Note on professional Ethics. (14)

OR

2. Describe the various acts and policies related to persons with hearing impairment. (14)

Unit-II

3. What is Forensic Audiology? Explain the service delivery procedure in forensic Audiology. (14)

OR

4. Describe the programmes adapted in India for prevention of hearing loss. (14)

Unit-III

5. Define community based practice. Compare and contrast community based practice across rural area and urban area. (14)

OR

6. What is Autonomous (private) practice? Explain the scope of the same in India. (14)

Unit-IV

7. What are the various methods employed for Tele- Practice in Audiology. (14)

OR

8. Explain the limitations of Tele practice in Audiology. (14)

Unit-V

9. Describe the documentation procedure in Audiology practice. (14)

OR

10. What is evidence based practice? Enumerate the documentation procedure and implementation of evidence based practice. (14)

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SLPH 401

Credit Based IV Semester M. Sc. Speech Language Pathology Degree Examination, November 2022

(Semester Scheme) (2020-22 Batch Onwards)

Aphasia

Time: 3 Hours Max. Marks: 70

Unit I

1. Write a note on lexical deficits in aphasia (14X1=14)

OR

2. Write short notes on the following: (7X2=14)
   (a) Fluent versus non-fluent types of Aphasia
   (b) Cognitive deficits in persons with aphasia

Unit 2

3. What are the important factors that should be considered while assessing a person with aphasia? (14X1=14)

OR

4. Write a note on the following: (7X2=14)
   (a) Indian tools for assessment of aphasia
   (b) Utility of AEPs in language assessment in aphasia. Highlight on N400 and T Complex.

Unit 3

5. Explain the behavioural mechanisms explaining functional recovery in persons with aphasia with suitable examples. (14X1=14)

OR

6. (a) Prognosis factors in recovery of aphasia. (7X1=7)
   (b) Recovery in mono vs bilingual aphasia. (7X1=7)

Unit 4

7. What are the different types of acquired alexias secondary to stroke? Describe the characteristics of each. (14X1=14)

OR

8. Write a note on: (7X2=14)
   (a) Neuro anatomical substrates of writing
   (b) Aphasia in illiterates

Unit 5

9. Write a note on the rationale, steps, and clinical utility ~~for any two~~ of the following: (7X2=14)
   (a) SFA
   (b) PCA

OR

10. Explain the utility and implementation of the Life Participation Approach to Aphasia (LPAA) in the Indian context. (14X1=14)

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SLPH 402

Credit Based IV Semester M. Sc. Speech Language Pathology Degree Examination, November 2022

(Semester Scheme) (2020-22 Batch Onwards)

Speech Language Pathology in Practice

Time: 3 Hours Max. Marks: 70

Unit I

1. What is the role and responsibilities of a Speech Language Pathologist in school set-up. Highlight on the legislative regulation for the same. (14)

OR

2. Elaborate on national and international advocacy groups for various disorders. Support your answers with research evidences (14)

Unit II

3. a. Explain the following ways of creating a disability friendly environment (7)
   b. Setting up of prevention and early identification clinics. (7)

OR

4. Elaborate on healthcare schemes in India for people with disabilities (14)

Unit III

5. a. Elaborate on community-based services in rural and urban areas (10)
   b. Write a short note on challenges and limitations faced in home-based delivery of speech therapeutic services (4)

OR

6. Elaborate on various Services of Speech language pathologists in different set-ups like medical, rehabilitation, research and educational areas. Support your answer with current literature supporting the same (14)

Unit IV

7. Describe the techniques and procedures used for remote testing for screening and diagnostic assessment for Speech and Language intervention (7) x7 = 14

OR

8. a. Write a note on the selection of aids & appliances for therapeutics and counselling for persons with communication problems. A brief note on Challenges and limitations of tele-practice in Speech-language Pathology in therapeutics and counselling. (7)

   b. Propose a plan to overcome these limitations in tele-therapy (7)

Unit V

9. Elaborate on the planning required to set-up private practice/clinic in speech language pathology. Highlight the challenges and limitations for the same. (14)

OR

10.a. Elaborate on quality control and auditing principles in speech language pathology practice (10)

   b. Write a note on team approach and importance of Working in cohesion with other professionals (4)

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SLPS 403

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(Semester Scheme) (2020-22 Batch Onwards)

Cognitive Communicative Disorders

Time: 3 Hours Max. Marks: 70

Unit I

1. Explain the nature and management of cognitive communicative deficits in RHD (14X1=14)

Or

2. Discuss in detail the ICF classification, assessment and principles of cognitive rehabilitation in TBI (14X1=14)

Unit 2

3. Illustrate on the neuropathology, and intervention of cognitive communication disorders in Alzheimer's disease (14X1=14)

Or

4. Explain in detail the role of SLP in the management of dementia (14X1=14)

Unit 3

5. Critically evaluate the assessment of swallowing in persons with cognitive communication disorders (14X1=14)

Or

6. Give the differential diagnosis of various cognitive communication disorders in adults (14X1=14)

Unit 4

7. With the help any two theories discuss about aging and its relation with cognitive Communicative disorders. (14X1=14)

Or

8. Age related changes in the systems of speech production with research evidence. (14X1=14)

Unit 5

9. Discuss about the role of supportive relationships in the maX1=14nagement of cognitive communicative disorders. (14X1=14)

Or

10.a) Write about the team and partnership involved in dealing with individuals with CCD (7X1=7)

b) Role of AAC in intervention of cognitive communication disorders (7X1=7)