



ALL INDIA INSTITUTE OF SPEECH AND HEARING
MANASAGANGOTTHRI
MYSURU 570 006
Ph.D. ENTRANCE EXAMINATION 2022 – 23
(SPEECH-LANGUAGE PATHOLOGY)

Time: 2 Hrs 30 minutes

Max. Marks 100

PART A

Instructions: Answer all questions (01 x 50 = 50 marks)
Each question carries one mark
Do not overwrite

- 1 Among the following, which has a principled framework for clinical decision making with three components like quality research based information, clinical expertise and consumer preferences and values.

a) International Classification for Functioning Disability and Health (ICF)	b) Evidences based practice (EBP)	c) Multicultural and Multilingualistic Approach	d) Culturally and Linguistically Diverse Client Base Approach
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- 2 The theoretical rationale for _____ intervention is the Complexity Account of Treatment Efficiency which propose training linguistically complex structures resulting in generalization to less complex structures in individuals with Aphasia.

a) Script Training	b) Multimodal Approaches	c) Treatment of Underlying Forms	d) Mapping Therapies
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- 3 Examination of the dyslexia patient with reference to recognition of individual letters, reading simple and complex syllables, words and sentences is based on the systematic analysis of _____ study.

a) Benson & Geschwind (Hemialexia)	b) Luria (Dyslexia)	c) Benson & Geschwind (Alexia without agraphia)	d) Dejerine Syndrome (Alexia without Agraphia)
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- 4 In Aphasiology, _____ model of single word processing provides a means of understanding breakdowns in auditory and visual word processing and includes discrete modules representing stages of acoustic or visual word analysis, phonological and orthographic output lexicons and assembly buffers leading to written or spoken forms.

a) Cognitive Neuropsychological Model	b) Computational Models	c) Connectionist Model	d) Parallel Distributed Processing Models
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- 5 Acquired Childhood Aphasia usually arising as a complication of severe otitis media and mastoiditis is an infectious diseases categorized under _____.
- a) Meningitis b) Encephalitis c) Cerebral abscess d) Cerebral Malaria
- 6 Children with _____ are likely to talk more than typical children during spontaneous conversations, however they are likely to talk less, dysfluent and less organized in response to specific task demands.
- a) Language Learning Disability b) Specific Language Impairment c) Asperger's Syndrome d) Attention Deficit Hyperactive Disorder
- 7 Optimal Arousal Theory, Biofeedback, Hypnosis, Habilitation are the innovative therapies recommended for _____ disorder.
- a) Autism Spectrum Disorder b) Intellectual Disability c) Attention Deficit Disorder d) Childhood Aphasia
- 8 The cervical plexus, spinal nerve other than those originating from T1 to T12 ventral rami, do not go directly to body structures but it is important for human behaviors as it supplies the _____.
- a) Forearm b) Triceps c) Diaphragm d) Wrist Muscles
- 9 Larger axons are typically myelinated for efficient conduction and have velocities of _____.
- a) 82 to 140 m/s b) 62 to 70 m/s c) 72 to 120 m/s d) 130 to 150 m/s
- 10 Bilateral ventral pontine lesion, interrupting all the descending corticospinal fibers and clinically characterized by quadriplegia and loss of all motor speech functions and preserved vertical eye movement _____ are seen.
- a) Millard-Gubler Syndrome b) Wallenberg Syndrome c) Locked- In Syndrome d) Dejerine Syndrome
- 11 Multisensory stimulation program to create a calm, controlled environment, sensory stimuli to stimulate the primary senses through the use of lighting effects, tactile surfaces meditative music and odor of relaxing essential oil is called _____ therapy for individuals with dementia.
- a) FOCUSED program b) Reminiscence Therapy c) Snoezelen Therapy d) Spaced Retrieval Training

- 12 Functions like anticipation, goal direction, planning, monitoring of internal and external events, interpretation and use of feedback in most non-routine processes and carried out in a deliberate, co-ordinated manner and inhibit inappropriate behaviors are testament to _____.
- a) Metacognition b) Problem Solving c) Reasoning d) Executive functions
- 13 Anderson and Nunan (2008) depict the learning/ reading continuum as learning to read and reading to learn. For L₁ readers this continuum is marked at _____ grade.
- a) Grade II – III and beyond b) Grade III – IV and beyond c) Grade IV – V and beyond d) Grade VI – VII and beyond
- 14 The _____ technique advocate teaching the sounds of the letters and then building these letter sounds into words, like bricks into a wall.
- a) Fernald Approach b) Linguistic Approach c) Initial Teaching Alphabet Approach d) Gillingham Approach
- 15 Sorting test, Verbal-Design Fluency Tests, Color Word Interference Tests & Tower Test are the cognitive subtests of _____.
- a) Iowa Gambling Test b) Everyday Test of Attention c) Strategies Application Test d) Delis – Kaplan Executive Functionality System
- 16 Among the following, which is NOT the model of bilingual processing that address bilingual aphasia.
- a) The Declarative/ Procedural Memory Model b) Domain by age model c) The Inhibitory Control Model d) Hierarchical Models
- 17 Providing factual and interpretive information about a topic is a _____ discourse genre distinguished in clinical applications.
- a) Persuasive b) Descriptive c) Expository d) Narrative
- 18 Among the following, which symbol in the International Phonetic Alphabet (revised to 2005) represent voiced labial-velar approximant.
- a) W b) X c) H d) ʃ

- 19 The _____ format follows a left to right linguistic order in which words are arranged in classes according to their typical position in a sentence.
- a) Vanderheiden key b) Beukelman key c) Fitzgerald key d) Carlson key
- 20 Which among the following are cognitively easy to learn as they only require a one-step switch selection process and considered as extremely slow?
- a) Automatic scanning b) Row-column scanning c) Group-item scanning d) Circular scanning
- 21 Which of the following color is NOT suggested to enhance visual attention in the intervention of visual function?
- a) Yellow b) Green c) Orange d) Red
- 22 Failure to close the _____ results is a diminished ability to generate oropharyngeal pressures to propel the bolus through the oropharynx.
- a) Laryngeal sphincter b) Velopharyngeal sphincter c) Upper Esophageal sphincter d) Lower esophageal sphincter
- 23 The sign of “Premature Spill” in a patient with dysphagia indicates _____ as one of the possible cause.
- a) Lack of dentition b) Facial weakness c) Lingual weakness d) vocal fold weakness
- 24 The grinding and shearing motions required to breath down advanced table foods do not develop until children reach or exceed _____ year(s) of age.
- a) 1 year b) 2 years c) 4 years d) 3 years
- 25 The decrease in harmonic amplitude with increasing frequency of the harmonic is referred to as the _____ characteristic of the spectrum.
- a) Scroll off b) Scroll on c) Lift – off d) roll – off
- 26 _____ uses of data may include issues pertaining to speaker identification, speaker status under the influence of drugs or alcohol & speaker intent at deceit.
- a) Forensic b) Understanding mechanism c) Management d) Evaluation

- 35 According to 'Covert Repair Hypothesis', disfluencies seen in persons who stutter are _____.
- a) Difficulties in sensori-motor integration b) Difficulties due to lack of cerebral dominance c) Correcting or repairing of excessive phonological errors d) Correcting or repairing of excessive timing errors
- 36 The Lidcombe Program uses _____.
- a) Both operant and classical conditioning principles b) Classical conditioning principles c) Operant conditioning principles d) Punishment
- 37 According to Van Riper's Developmental Tracks, which track mimics cluttering?
- a) Track I b) Track II c) Track III d) Track IV
- 38 Ethnographic research is a type of _____.
- a) Survey research b) Quantitative research c) Ex-post facto research d) Qualitative research
- 39 Statistical regression can pose serious problems for
- a) External validity b) Internal validity c) Both external validity and internal validity d) Sample surveys
- 40 The best way to reduce sampling error is through _____.
- a) Snowball sampling b) Quasi-experimental sampling c) Calculating total sample size d) Random sampling
- 41 If there is generalization of first treatment effect to the second treatment, then it is called as _____.
- a) Contrast effect b) Order effect c) Random effect d) Carryover effect
- 42 Bradykinesia is prominent in _____.
- a) Basal ganglia lesions b) UMN lesions c) LMN lesions d) Cerebellar lesions

- 27 Lingua-alveolar fricatives and lingua-palatal fricatives have high energy noise spectra with most energy lying in the _____ and _____ frequencies for adult male speakers.
- a) Above 2 and 4 kHz b) Above 4 and 2 kHz c) Above 3 and 6 kHz d) Above 6 and 3 kHz
- 28 Which of the following conditions are considered for speech disability as per Rights of PWD 2016?
- a) Misarticulation b) Stuttering c) Dysarthria d) Neurogenic Stuttering
- 29 When did the Rights of Persons with Disability Act (RPWD) passed by the Government of India?
- a) 1995 b) 2000 c) 2006 d) 2016
- 30 Which of the following factor is NOT considered in Part 2 of the Conceptual Framework of the International Classification of Functioning, Disability and Health (2001)?
- a) Cognitive factor b) Environmental factor c) Life style factor d) Personal factor
- 31 Which muscle receives the motor supply from the external branch of the superior laryngeal nerve?
- a) Thyroarytenoid muscle b) Posterior Cricoarytenoid c) Cricothyroid d) Lateral Cricoteroid
- 32 One of the first skills as artificial larynx user must learn is _____.
- a) Vowel production b) Automatic phrases c) Placement d) Voice quality
- 33 In which of the following voice therapy technique, that causes the laryngeal ventricles to open and the false vocal folds be drawn away from the midline?
- a) Humming b) Yawn-sigh c) Voice test d) Inspiratory phonation
- 34 Which one of the following is NOT the effects of aging on the larynx?
- a) Furrow in epithelial layers b) Decrease in collagen fibers c) Decrease in fibroblasts d) Thinning of elastin fibers

- 43 The disturbance in the trajectory of moving body part or an inability to control movement range is called as _____.
- a) Titubation b) Hypotonia c) Dysdiadochokinesia d) Dysmetria
- 44 Hyperadduction of the adductor laryngeal muscles is characteristic of _____.
- a) Abductor spasmodic dysphonia b) Adductor spasmodic dysphonia c) Adductor vocal fold paralysis d) Abductor vocal fold paralysis
- 45 Dopamine agonist medications (Levadopa) improve _____.
- a) Mainly non-speech functions in Parkinson's Disease b) Mainly speech functions in Parkinson's Disease c) Both speech and non-speech functions equally d) Majorly speech but to a lesser degree non-speech
- 46 If the child says /tIKs/ for /stIk/, it is an example of _____.
- a) Coalescence b) Diminutization c) Migration d) Epenthesis
- 47 While calculating the Percentage of Consonants Correct –Revised Edition (PCC-R) the child is considered as having mild problem if the scores are _____.
- a) 65-75 % b) > 85 % c) 75-85% d) 70-80%
- 48 If the dorsum of the tongue moves posteriorly, contacting the pharynx, causing a buildup and release of air, then it is
- a) Pharyngeal stop b) Pharyngeal fricative c) Pharyngeal affricate d) Middorsum palatal stop
- 49 If the child says /gog/ for /dog/ then it is _____
- a) Substitution b) Velar assimilation c) Stopping d) Backing
- 50 In persons with neurogenic stuttering, the phenomenon of _____
- a) Adaptation effect is uncommon b) Adaptation effect is common c) Awareness of the disorder is absent d) Anxiety due to disorder is common

PART B

Answer any five Questions. Each question carries 10 marks: (05 x 10 = 50 marks)

1. Explain the importance of cortical potentials and its relevance to adult language disorders.
2. Explain the procedures involved in neurobehavioural evaluation of speech-language disorders.
3. Critically evaluate the Acoustic theory of speech production.
4. What factors need to be considered for children with cerebral palsy while selecting AAC system who present with additional low vision issues?
5. Speech characteristics of neurogenic stuttering mimic developmental stuttering. Critically evaluate this statement.
6. There is a dearth of evidence for management of voice in professional voice users. Critically evaluate this statement.
7. What are the issues to be considered while assessing children with learning disability in the Indian context?

Fw: Objections - Ph.D. Examination 2022-23 - reg.

Ph.D Cell <phdcell@aiishmysore.in>

Thu 3/2/2023 5:00 PM

To: Goswami SP <Goswami@aiishmysore.in>

Cc: Dr.Santosh M <santoshm@aiishmysore.in>

1 attachments (335 KB)

Objections Claim - PhD Entrance exam 2022-23 - Google Forms.pdf;

Dear Sirs,

[kindly ignore previous mail]

With reference to Ph.D. Entrance Examination 2022-23 held on 27 FEB 2023, we have received 04 objections from the applicants across 04 questions of SLP (*objection sheet of Google forms enclosed*), and the same is furnished below:

SPEECH LANGUAGE PATHOLOGY:

Question No: 24

The grinding and shearing motions require to break down advanced table foods do not develop until children reach or exceed _____ year(s) of age

- a. 1 year b. **2** years c. 4 years d. 3 years ✓

Question No: 27

Lingua-alveolar fricatives and lingua-palatal fricatives have high energy noise spectra with most energy lying in the _____ and _____ frequencies for adult male speakers.

- a. Above 2 and 4 kHz b. **Above 4 and 2 kHz** c. Above 3 and 6 kHz d. Above 6 and 3 kHz ✓

Question No: 38

Ethnographic research is a type of

- a. Survey research b. Quantitative research c. Ex-post facto research d. **Qualitative Research**

Question No: 45

Dopamine agonist medications (Levodopa) improve

- a. **Mainly non-speech functions in Parkinson's Disease** ✓
b. Mainly speech Functions in Parkinson's Disease
c. Both speech and non-speech functions equally
d. **Majorly speech but to a lesser degree non-speech**

In view of this, I am directed to inform you that, the above objections may be cross-verified and final answers may be submitted to the Director on or before **06 MAR 2023**.

धन्यवाद/ Thanks and regards,

