Question Paper

MANIPAL ACADEMY OF HIGHER EDUCATION

FIRST SEMESTER M.Sc.IN SPEECH LANGUAGE PATHOLOGY) DEGREE EXAMINATION - JANUARY 2023
SUBJECT: SLP5101 - SPEECH SCIENCE AND SPEECH PRODUCTION
(2021 SCHEME)

Marks: 100   **Duration: 180 mins.**

Answer all the questions.

1)	Discuss the laryngeal and lung activity during conversational speech and loud speech.	(20)
2)	Describe the application of any two physiological measurements with their merits and demerits.	(20)
3A)	Explain the acoustic analysis using LTAS and its application.	(10)
3B)	How do you relate stress strain principle to vocal fold physiology?	(10)
3C)	Explain the aerodynamics of plosives	(10)
3D)	Describe the types and functions of intonation.	(10)
4A)	Parametric synthesis	(5)
4B)	DFT	(5)
4C)	Semiautomatic speech recognition	(5)
4D)	Acoustics of infant cry	(5)

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Question Paper

MANIPAL ACADEMY OF HIGHER EDUCATION

FIRST SEMESTER M.Sc. IN SPEECH LANGUAGE PATHOLOGY DEGREE EXAMINATION - JANUARY 2023
SUBJECT: SLP5102- AUGMENTATIVE AND ALTERNATIVE COMMUNICATION
(2021 SCHEME)

Marks: 100   **Duration: 180 mins.**

Answer all the questions.

1)	Describe aided AAC symbols and provide examples	(20)
2)	Describe about the principles of AAC assessment.	(20)
3A)	Describe three particular issues in delivering AAC services to individuals with Intellectual disability.	(10)
3B)	What is speech generating device? Explain	(10)
3C)	Give an overview of AAC symbol selection.	(10)
3D)	Explain Picture Exchange Communication System	(10)

4) Write Short Notes:

4A)	Makaton & Fringe vocabulary	(5)
4B)	Any one tool for the assessment of communication skills	(5)
4C)	Access method for AAC	(5)
4D)	Gestural communication	(5)

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Question Paper

MANIPAL ACADEMY OF HIGHER EDUCATION

FIRST SEMESTER MASTER OF SCIENCE (SPEECH - LANGUAGE PATHOLOGY) DEGREE EXAMINATION - JANUARY 2023
SUBJECT: SLP5103 - NEUROBIOLOGY OF SPEECH LANGUAGE AND COGNITION
(2021 SCHEME)

Marks: 100   **Duration: 180 mins.**

Answer all the questions.

1)	Discuss the role of ageing in speech and language across the life span in typical conditions providing recent evidence	(20)
2)	Critically evaluate the bilingual models describing its implications for language development.	(20)
3)	Describe the types, functions and synthesis of neurotransmitters in the brain.	(10)
4)	Explain discourse comprehension and its relevance in language processing.	(10)
5)	Discuss evoked potentials and its applications in the study of speech and language processing.	(10)
6)	Briefly discuss the neural networks for writing and spelling based on recent literature.	(10)
7A)	Cortical vs. subcortical neural pathways	(5)
7B)	MRI s. fMRI	(5)
7C)	Role of working memory	(5)
7D)	Cognitive reserve in ageing	(5)

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