

SLPE207-OVERVIEW OF SPEECH SUBSYSTEMS

Hours: 48

Total marks: 100

Objectives

- Knowledge on basic anatomy and physiology of speech production
- Importance of learning various speech subsystems
- Knowledge of development of speech production system
- Pathologies associated with speech production system

Unit 1: Introduction

- General anatomical terms
- Anatomical positions and plains
- Muscles, connections and joints
- Anatomical structures of speech production

Unit 2: Respiratory system

- Anatomy of respiratory system
- Physiology of respiratory system
- Breathing mechanism
- Respiration for life and Speech

Unit 3: Phonatory system

- Anatomy of Phonatory system
- Physiology of Phonatory system
- Mechanism of phonation

Unit 4: Articulatory system

- Anatomy of Articulatory system
- Physiology of Articulatory system
- Developmental acquisition of speech sounds
- Mechanism of speech production

Unit 5: Pathologies related to speech production

- Congenital anomalies
- Acquired anomalies
 - Trauma
 - Infections
 - Inflammation
 - Tumors
 - Foreign body

References

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- Chaurasia, B. D. (2009). *B D Chaurasia's Handbook of General Anatomy*. CBS.
- Dhingra, P. L. D., Shruti. (2017). *Diseases of Ear, Nose and Throat*. Elsevier India.
- McFarland, D. H. (2015). *Netter's atlas of Anatomy for Speech, Swallowing, and Hearing*.
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- Seikel, J. A., King, D. W., & Drumright, D. G. (2010). *Anatomy & physiology for speech, language, and hearing* (4th ed). Delmar Cengage Learning.
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