

**MANIPAL UNIVERSITY****FIRST SEMESTER B.A.S.L.P. DEGREE EXAMINATION – JUNE 2016****SUBJECT: BASIC MEDICAL SCIENCES RELATED TO SPEECH AND HEARING – PART I (B 1.4)  
(ANATOMY AND PHYSIOLOGY)**

Saturday, June 04, 2016

Time: 10.00-11.30 Hours

Max. Marks: 40

- ✍ Answer Section A, Section B in separate answer books.  
✍ Answer ALL questions. Draw diagrams wherever necessary.

**SECTION – ‘A’ : ANATOMY : 20 MARKS**

- 1A. Describe the muscles of larynx with its nerve supply.  
1B. Describe the tympanic membrane.

(5 marks × 2 = 10 marks)

**2. Write short notes on:**

- 2A. Lobes of the cerebrum  
2B. Neuron  
2C. Microscopic structure of T.S. of compact bone  
2D. Circle of Willis  
2E. Any two ascending tracts of CNS

(2 marks × 5 = 10 marks)

**SECTION – ‘B’ : PHYSIOLOGY: 20 MARKS****1. Essay questions:**

- 1A. Draw a neat labeled diagram of neuromuscular junction. In the form of a flow chart describe the events that occur during neuromuscular transmission.  
1B. Draw and label a spirogram showing the various lung volumes and capacities.

(5 marks × 2 = 10 marks)

**2. Write short answers for the following:**

- 2A. Write any two differences between simple diffusion and active transport  
2B. What is myopia? How is it corrected?  
2C. Write any two functions of middle ear  
2D. Draw a labeled diagram of an ECG from limb lead II  
2E. Mention any two significance of blood grouping

(2 marks × 5 = 10 marks)



**MANIPAL UNIVERSITY****FIRST SEMESTER B.A.S.L.P. DEGREE EXAMINATION – JUNE 2016****SUBJECT: BASIC MEDICAL SCIENCES RELATED TO SPEECH AND HEARING – PART II (ENT) (B 1.4)**

Tuesday, June 07, 2016

Time: 10.00-11.30 Hours

Max. Marks: 40

✍ Write short notes on any EIGHT of the following with neat labelled diagram wherever required.

**SECTION – ‘C’ : ENT**

1. Complications of otitis media
2. Congenital anomalies of Larynx
3. Otosclerosis
4. Ear wax
5. Meneire’s disease
6. Keratosis obturans
7. Presbyacusic
8. Foreign body ear
9. Deaf mutism
10. Acute Laryngitis

(5 marks × 8 = 40 marks)



**MANIPAL UNIVERSITY**  
**FIRST SEMESTER B.A.S.L.P. DEGREE EXAMINATION – JUNE 2016**  
**SUBJECT: INTRODUCTION TO HUMAN COMMUNICATION (B 1.1)**

Thursday, June 09, 2016

Time: 10.00-13.00 Hours

Max. Marks: 80

✍ **Answer ALL the questions.**

1A. “Speech is an overlaid function” give your opinion.

1B. Explain the elements of communication.

**OR**

2A. Explain the application of “speech chain” in verbal communication.

2B. Write a note on social basis of communication.

(8+4 = 12 marks)

3A. Explain the structures of basal ganglia with its function.

3B. Write a note on ventricles.

(6+6 = 12 marks)

**OR**

4A. List the cranial nerves and explain their basic functions in brief.

4B. Explain the functions of Broca’s and Wernicke’s areas.

(8+4 = 12 marks)

5A. Explain the origin, insertion and functions of diaphragm, internal intercostal, external intercostal muscles.

5B. Differentiate external, internal and cellular respiration.

(6+6 = 12 marks)

**OR**

6A. Compare and contrast respiration for life and speech.

6B. Explain the terms hypoxia and asphyxia.

(8+4 = 12 marks)

7A. Explain the nerve supply to the larynx.

7B. List the intrinsic muscles of the larynx and their functions.

(6+6 = 12 marks)

**OR**

8A. What is an acoustic impedance? Explain its components.

8B. Explain a Helmholtz resonator. How does the frequency of a Helmholtz resonator change when its volume is doubled? When the radius of its neck is doubled?

8C. Write note on reflection, diffraction and interference of sound wave.

8D. Discuss the effect of pressure, temperature, humidity and movement of air on the velocity of sound in air.

(3 marks × 4 = 12 marks)

9A. With a neat diagram explain the structure of the mandible.

9B. Active Vs Passive articulators.

**OR**

10A. Explain in detail the assessment of oral speech mechanism.

10B. Write a note on soft palate.

(8+4 = 12 marks)

11. **Explain in not more than 2-3 sentences:**

11A. Define Speech

11B. Pre-linguistic skills

11C. Hemispheres

11D. Primary motor area

11E. External intercostal muscle

11F. Pleurae

11G. Doppler effect

11H. Posterior cricoarytenoid

11I. Articulators

11J. Orbicularis oris

(2 marks × 10 = 20 marks)



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## MANIPAL UNIVERSITY

FIRST SEMESTER B.A.S.L.P. DEGREE EXAMINATION – JUNE 2016

SUBJECT: INTRODUCTION TO HEARING AND HEARING SCIENCES (B 1.2)

Saturday, June 11, 2016

Time: 10.00-13.00 Hours

Max. Marks: 80

✍ Answer the following questions. Question 11 is compulsory.

1. Elaborate on growth and development of audiology since world war II.

(12 marks)

OR

2A. Define binaural hearing and its advantage over monaural hearing.

2B. Add a note on MAP.

(8+4 = 12 marks)

3. With the help of neat diagram explain anatomy of inner ear.

OR

4. Write a note on middle ear transformer function.

(12 marks)

5A. Describe Fourier analysis of complex tones.

5B. Write a note on just noticeable difference for intensity and frequency.

(6+6 = 12 marks)

OR

6. Write an essay on dB concept.

(12 marks)

7. Write causes of sensory neural hearing loss.

OR

8. Write causes of Syndromic hearing loss.

(12 marks)

9. What are the precautions to be taken while testing AC and BC?

OR

10. Briefly describe different tuning fork tests.

(12 marks)

11. **Write short notes on the following:**

11A. MAF

11B. Pediatric audiology

11C. Ossicles of middle ear

11D. SOC

11E. dBHL

11F. Complex tone

11G. Waardenburg Syndrome

11H. Mixed hearing loss

11I. List audiometric version of tuning fork tests

11J. Modern theory of BC

(2 marks × 10 = 20 marks)





**MANIPAL UNIVERSITY****FIRST SEMESTER B.A.S.L.P. DEGREE EXAMINATION – JUNE 2016****SUBJECT: SPEECH-LANGUAGE DIAGNOSTICS AND THERAPEUTICS (B 1.3)**

Monday, June 13, 2016

Time: 10.00-13.00 Hours

Max. Marks: 80

- ✍ **Answer ALL of the questions.**  
✍ **Draw neat labeled figures wherever necessary.**

- 1A. “Clinical observation is important for case history taking”. Discuss.  
1B. Describe the following in not more than two sentences each: Evaluation, Handicap and Impairment.

(6+6 = 12 marks)

**OR**

2. Describe the following: multidisciplinary team, interdisciplinary team, transdisciplinary team and its role in diagnosis and intervention in speech and language pathology.

(12 marks)

- 3A. List the characteristics of a good clinician as a diagnostician.  
3B. Describe the Bloom and Lahey model of diagnosis.

(6+6 = 12 marks)

**OR**

4. Describe the following with suitable examples: Provisional diagnosis, Tentative diagnosis, diagnosis by exclusion and clinical diagnosis.

(12 marks)

- 5A. Define the following: Intervention, Community reintegration and Segregation.  
5B. Discuss the various purposes of providing intervention for communication disorders.

(6+6 = 12 marks)

**OR**

6. Differentiate between following: Group versus Individual therapy along with the advantages and disadvantages.

(12 marks)

- 7A. Describe any two speech and language therapy approaches.  
7B. List the indirect strategies for decreasing undesirable behaviors.

(6+6 = 12 marks)

**OR**

8. Elaborate on the various schedules of reinforcement in speech and language therapy.

(12 marks)

9A. What is the importance of documentation in speech and language therapy?

9B. Describe the qualities of a good diagnostic report.

(6+6 = 12 marks)

**OR**

10. Discuss in detail on code of ethics for a SLP.

(12 marks)

11. **Write short notes on:**

11A. Habilitation

11B. Advantages of differential diagnosis

11C. Termination criteria

11D. Negative reinforcement

11E. Parent counseling

11F. Disability

11G. Self report

11H. Token economy

11I. Modelling

11J. Discharge report

(2 marks × 10 = 20 marks)

