

**MANIPAL UNIVERSITY****FIRST SEMESTER B.A.S.L.P. DEGREE EXAMINATION – JUNE 2017****SUBJECT: BASIC MEDICAL SCIENCES RELATED TO SPEECH AND HEARING – PART I (B 1.4)  
(ANATOMY AND PHYSIOLOGY)**

Thursday, June 15, 2017

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. Name the components of basal ganglia. Write about its applied aspects. (3+2 = 5 marks)
- 1B. Describe the boundaries of middle ear cavity. (5 marks)
2. **Write short notes on:**
- 2A. Sulci on the superolateral surface of cerebrum
- 2B. Unpaired cartilages of larynx
- 2C. Types of synovial joints
- 2D. Trachea
- 2E. Mitochondria (2 marks × 5 = 10 marks)

**SECTION – 'B' : PHYSIOLOGY: 20 MARKS**

1. **Essay questions:**
- 1A. Draw neat and labeled diagram of visual pathway and mention the effect of lesion at right optic tract.
- 1B. Write the steps that lead to contraction and relaxation of a skeletal muscle. (5 marks × 2 = 10 marks)
2. **Write short answers for the following:**
- 2A. Mention any two functions of plasma proteins.
- 2B. Define cardiac output. Give its normal value.
- 2C. Define alveolar ventilation and give its normal value.
- 2D. Explain facilitated diffusion with an example.
- 2E. Write two differences between myelinated and unmyelinated nerve fibers. (2 marks × 5 = 10 marks)



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## MANIPAL UNIVERSITY

### FIRST SEMESTER B.A.S.L.P. DEGREE EXAMINATION – JUNE 2017

SUBJECT: BASIC MEDICAL SCIENCES RELATED TO SPEECH AND HEARING – PART II (ENT) (B 1.4)

Saturday, June 17, 2017

Time: 10.00 - 11.30 Hrs.

Max. Marks: 40

- ✍ Answer any EIGHT.
- ✍ Write answers that are brief, clear, relevant and legible.
- ✍ Illustrate the answer with diagram wherever appropriate.

#### SECTION – 'C' : ENT

1. Perichondritis of the pinna
2. Adenoid facies
3. Unilateral vocal cord palsy
4. Acute mastoiditis
5. Cleft palate
6. Vocal nodule
7. Management of presbycusis
8. Differential diagnosis of white patch on tonsil
9. Oesophageal speech
10. Draw a neat labeled diagram of the tympanic membrane

(5 marks × 8 = 40 marks)



**MANIPAL UNIVERSITY****FIRST SEMESTER B.A.S.L.P. DEGREE EXAMINATION – JUNE 2017****SUBJECT: INTRODUCTION TO HEARING AND HEARING SCIENCES (B 1.2)**

Thursday, June 22, 2017

Time: 10.00 - 13.00 Hrs.

Max. Marks: 80

✍ **Answer ALL the questions.**

1. Write an essay on scope of audiology in India.

(12 marks)

**OR**

2A. What are the advantages of binaural hearing.

2B. Write a note on MAP.

(6+6 = 12 marks)

3. Explain with the neat diagram the anatomy of external ear.

(12 marks)

**OR**

4A. Draw a neat labelled diagram of Organ of Corti.

4B. Compare Inner hair cells with Outer hair cells.

(8+4 = 12 marks)

5. Explain dB concept.

(12 marks)

**OR**

6A. Discuss the loudness contour curves and its clinical application.

6B. Explain RETSPL and RETFL.

(8+4 = 12 marks)

7. Write an essay on congenital causes for hearing loss.

**OR**

8. Write in detail the Non-genetic causes of hearing loss.

(12 marks)

9. Write in detail the procedure and the interpretation of air conduction and bone conduction testing.

**OR**

10. Write in detail about any two tuning fork tests along with its advantages and disadvantages.

(12 marks)

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

- 11A. Binaural hearing
- 11B. Minimum audible field
- 11C. Organ of Corti
- 11D. Hair cells
- 11E. dBHL Vs dB SPL
- 11F. Phons
- 11G. Acoustic neuroma
- 11H. Otosclerosis
- 11I. Merits of tuning fork tests
- 11J. Weber test

(2 marks × 10 = 20 marks)

