

Reg. No.

MANIPAL UNIVERSITY

FIRST YEAR B.A.S.L.P. DEGREE EXAMINATION –MAY/JUNE 2012

**SUBJECT: BASIC MEDICAL SCIENCES RELATED TO SPEECH AND HEARING (B 1.5)
(NEW REGULATION)**

Tuesday, May 29, 2012

Time: 10.00-11.30 Hours

Max. Marks: 40

✍ Answer Section A, Section B in separate answer books.

SECTION – ‘A’ : ANATOMY : 20 MARKS

1. Classify the joints and give examples to each of the classes. Write a note on typical synovial joints.

(4+4 = 8 marks)

2. Write short notes on:

2A. Basal Ganglia.

2B. Skeletal muscle.

2C. Middle ear.

(4×3 = 12 marks)

SECTION – ‘B’ : PHYSIOLOGY: 20 MARKS

3. Answer the following questions:

3A. Compare and contrast smooth muscle and skeletal muscle.

3B. Explain the functions of hypothalamus.

(5×2 = 10 marks)

4. Answer the following:

4A. List two functions of middle ear.

4B. List the functions of kidneys.

4C. What are functions of stomach?

4D. Give the normal platelet count. What are its actions?

4E. Define cardiac cycle. What are the different phases of cardiac cycle?

(2×5 = 10 marks)



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FIRST YEAR B.A.S.L.P. DEGREE EXAMINATION –MAY/JUNE 2012

**SUBJECT: BASIC MEDICAL SCIENCES RELATED TO SPEECH AND HEARING (B 1.5)
(NEW REGULATION)**

Thursday, May 31, 2012

Time: 10.00-11.30 Hours

Max. Marks: 40

SECTION – ‘C’ : ENT

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

- 1A. Meniere’s disease – Investigations
- 1B. Vocal Cord Polyps
- 1C. Adenoid facies
- 1D. Anatomy of Eustachian tube
- 1E. Gastro oesophageal reflux disorder
- 1F. Tongue tie
- 1G. Chronic tonsillitis
- 1H. Cleft lip
- 1I. Laryngomalacia
- 1J. Bell’s Palsy – Etiology and clinical features

(5×8 = 40 marks)



MANIPAL UNIVERSITY
FIRST YEAR B.A.S.L.P. DEGREE EXAMINATION – MAY/JUNE 2012

SUBJECT: INTRODUCTION TO HUMAN COMMUNICATION (B 1.1)
(NEW REGULATION)

Saturday, June 02, 2012

Time: 10.00-13.00 Hours

Max. Marks: 80

1. Explain in not more than 2-3 sentences.

1A. Work activities of SLP

1B. Communication

1C. CSF

1D. Broca's area

1E. Passive expiration

1F. Pleura

1G. Sound waves

1H. Doppler effect

1I. Articulation

1J. Temporo-mandibular joint

(2×10 = 20 marks)

2A. Describe speech as an overlaid function.

2B. Differentiate Speech, Language and communication.

OR

2A. Explain the factors affecting speech and language development.

2B. Write a note on non-verbal modes of communication.

(8+4 = 12 marks)

3A. Explain the divisions of brainstem with their function.

3B. With a neat diagram label the parts of neuron.

OR

3A. Briefly explain the anatomy of cerebral lobes and functions.

3B. Write a note on reflex arc.

(8+4 = 12 marks)

4A. Define respiration. Explain in detail the process of gas exchange.

4B. Write a note on lung volumes.

OR

4A. Explain in detail the structure of trachea with a neat diagram.

4B. Explain the part of rib with neat diagram.

(8+4 = 12 marks)

- 5A. With a neat diagram explain the cartilages of larynx.
5B. Explain the laryngeal membranes with its origin and insertion.

OR

- 5A. Explain in detail development of voice.
5B. Explain the structure of the vocal fold.

(8+4 = 12 marks)

- 6A. Explain the muscles of face with their function.
6B. List the elevator and depressor muscles of velum.

OR

- 6A. Explain in detail the structure of tongue with neat diagram.
6B. Explain oral cavity.

(8+4 = 12 marks)



MANIPAL UNIVERSITY**FIRST YEAR B.A.S.L.P. DEGREE EXAMINATION – MAY/JUNE 2012****SUBJECT: SPEECH-LANGUAGE DEVELOPMENT AND DISORDERS (B 1.2)****(NEW REGULATION)**

Tuesday, June 05, 2012

Time: 10.00-13.00 Hours

Max. Marks: 80

1. Explain in not more than 2-3 sentences:

- 1A. Pragmatics
- 1B. Free morpheme
- 1C. Bilingualism
- 1D. Critical period
- 1E. Generalized Seizures
- 1F. Stereotypic behaviours
- 1G. Immediate echolalia
- 1H. CHAT
- 1I. TBI
- 1J. Adaptive behaviours

(2×10 = 20 marks)

- 2A. Describe development of pragmatics in children.
- 2B. Content vs. function words.

OR

- 2A. Describe syntactic development in children.
- 2B. Write a note on different sentence types.

(8+4 = 12 marks)

- 3A. Explain cognitive theory of language acquisition with its applications.
- 3B. Explain compound and coordinate bilinguals.

OR

- 3A. Describe linguistic theory of language acquisition.
- 3B. LAD.

(8+4 = 12 marks)

- 4A. Discuss the causes of mental retardation.
- 4B. Explain the classification of hearing impairment.

OR

- 4A. Discuss the assessment protocol for children with cerebral palsy.
- 4B. Write a note on seizure disorder.

(8+4 = 12 marks)

- 5A. Explain autism with its etiological factors.
- 5B. Write a note on Rett's syndrome.

OR

- 5A. Briefly explain the characteristics of children with ADHD.
- 5B. Language intervention for children with AD/HD.

(8+4 = 12 marks)

- 6A. Explain dyslexia with its types and characteristics.
- 6B. Describe LKS.

OR

- 6A. Explain language characteristics of children with SLI.
- 6B. Write a note on multiple disability.

(8+4 = 12 marks)



MANIPAL UNIVERSITY**FIRST YEAR B.A.S.L.P. DEGREE EXAMINATION – MAY/JUNE 2012****SUBJECT: INTRODUCTION TO HEARING AND HEARING SCIENCES (B 1.3)****(NEW REGULATION)**

Thursday, June 07, 2012

Time: 10.00-13.00 Hours

Max. Marks: 80

1A. What is difference limen?

1B. How do you measure the difference limen for frequency and intensity?

(2+10 = 12 marks)

OR

1A. Explain the concept and need of decibels as a unit of relative intensity.

1B. What is the resultant intensity when two sound sources each producing 50 dB SPL are switched on simultaneously? Justify.

(6+6 = 12 marks)

2A. With a neat diagram describe the anatomy of the middle ear.

2B. In brief explain the function of Eustachian tube.

(6+6 = 12 marks)

OR

2A. List different theories of hearing.

2B. Explain any TWO theories of hearing along with their merits and demerits.

(4+8 = 12 marks)

3A. Describe different factors that affect bone conduction threshold measurements.

3B. Differentiate screening and diagnostic audiometers.

(8+4 = 12 marks)

OR

3A. Explain with relevant block diagrams how will you carry out the electroacoustic calibration of output frequency of the audiometer.

3B. Discuss the need for the sound treated room in the audiology clinic.

(6+6 = 12 marks)

4A. With an example explain the need for masking.

4B. Describe the different factors that affect speech audiometry.

OR

- 4A. What are the clinical implications of measuring SIS, SRT and UCL?
4B. Describe any one procedure of masking.

(6+6 = 12 marks)

- 5A. Explain the rationale, procedure, interpretation and limitations of any ONE tuning fork tests.
5B. Discuss causes of conductive hearing impairment.

OR

- 5A. Describe the different causes of sensorineural hearing impairment.
5B. With a neat diagram explain the anatomy of semi circular canals.

(6+6 = 12 marks)

6. Write short notes on:

- 6A. Frequency
6B. Loudness level
6C. Basilar membrane
6D. Cone of light
6E. Screening audiometers
6F. Artificial mastoid
6G. Spondee words
6H. Interaural attenuation
6I. Occlusion effect
6J. Usher's syndrome

(2×10 = 20 marks)



MANIPAL UNIVERSITY
FIRST YEAR B.A.S.L.P. DEGREE EXAMINATION – MAY/JUNE 2012

SUBJECT: MANAGEMENT OF THE HEARING IMPAIRED (B 1.4)

(NEW REGULATION)

Saturday, June 09, 2012

Time: 10.00-13.00 Hours

Max. Marks: 80

1A. Early identification is important for rehabilitation of hearing disability – Discuss.

1B. Differentiate manual vs oral form of communication.

(8+4 = 12 marks)

OR

1A. Define the term aural rehabilitation.

1B. What are the different forms of communication available for a child with hearing impairment?
Explain.

(2+10 = 12 marks)

2A. Discuss the natural method of teaching language to the hearing impaired.

2B. Describe Fitzgerald Key.

(6+6 = 12 marks)

OR

2A. Highlight application of computer technology in the rehabilitation of hearing impaired.

2B. Describe box technique.

(8+4 = 12 marks)

3A. Discuss the educational placement options available for a child with hearing impairment.

3B. Describe John Tracy Correspondence programme.

(8+4 = 12 marks)

OR

3A. Write a note on factors affecting the outcome of education of a hearing impaired.

3B. Explain the factors to be considered while setting up a classroom for the hearing impaired.

(6+6 = 12 marks)

4A. Discuss the advantages of binaural fitting against monoaural.

4B. Describe FM group system along with its merits and demerits.

(6+6 = 12 marks)

OR

- 4A. Classify types of hearing aids.
- 4B. Describe the induction loop system.

(8+4 = 12 marks)

- 5A. How to troubleshoot a hearing aid.
- 5B. Highlight the precautions to be taken while taking earmould impression.

OR

- 5A. Discuss different types of earmoulds.
- 5B. Discuss the counseling points to facilitate hearing aid acceptance.

(8+4 = 12 marks)

6. Write shorts notes on following:

- 6A. Sensitivity period
- 6B. EAC of hearing aid with Earmoulds
- 6C. Directional hearing aid
- 6D. SKI - HI program
- 6E. Vocabulary approach
- 6F. Directional hearing aids
- 6G. BTE loops
- 6H. Parent infant training programme
- 6I. Tactile aids
- 6J. Cognitive developmental approach

(2×10 = 20 marks)



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MANIPAL UNIVERSITY

FIRST YEAR B.A.S.L.P. DEGREE EXAMINATION – JUNE 2012

SUBJECT: PSYCHOLOGY RELATED TO SPEECH AND HEARING (B.1.3.4)
(OLD REGULATION)

Tuesday, June 12, 2012

Time: 10.00-13.00 Hours

Max. Marks: 80

✍ Answer any EIGHT of the following. All questions carry equal marks.

1. Describe any two perspectives of the concept of normality and abnormality.
2. Define clinical psychology. Discuss the applications of clinical psychology in speech and hearing problems.
3. What is observation method? Critically discuss different types of observation methods.
4. Explain mental disorder. Describe biological and behavioral models of mental disorders.
5. Discuss in detail different stages of cognitive development.
6. What are emotions? Explain emotional development in children.
7. Define personality. Discuss objective and projective techniques of personality assessment.
8. Role of psychological tests in assessing interpersonal relationships.
9. Define learning. Describe operant conditioning with schedules of reinforcements.
10. **Short notes: (Answer any TWO of the following)**
 - 10A. Token economy.
 - 10B. Interview method.
 - 10C. Motor development.



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FIRST YEAR B.A.S.L.P. DEGREE EXAMINATION – MAY/JUNE 2012

SUBJECT: PSYCHOLOGY RELATED TO SPEECH AND HEARING (B 1.6)
(NEW REGULATION)

Tuesday, June 12, 2012

Time: 10.00-13.00 Hours

Max. Marks: 80

✍ Answer any EIGHT of the following. All questions carry equal marks.

1. Briefly discuss classical and operant conditioning with examples.
2. Describe motor development across various stages of life.
3. Define developmental psychology. Explain Piaget's theory of cognitive development.
4. Define personality. Discuss personality development from life span approach.
5. Define clinical psychology and discuss its scope.
6. What is mental disorder? Discuss any two models of mental disorders.
7. Define intelligence. Briefly discuss verbal and non-verbal intelligence tests.
8. What is psychological testing? Discuss neuropsychological assessment.
9. Discuss application of counseling in vocational and educational field.
10. **Short notes (Answer any TWO of the following):**
 - 10A. Branches of psychology.
 - 10B. Development of emotions.
 - 10C. Assessment of Personality.

