

MANIPAL UNIVERSITY**SIXTH SEMESTER B.A.S.L.P. DEGREE EXAMINATION – DECEMBER 2016****SUBJECT: SCIENTIFIC ENQUIRY IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY (B 6.4)**

Friday, December 16, 2016

Time: 10.00-13.00 Hrs.

Max. Marks: 80

✍ **Answer the following questions. Question 11 is compulsory.**

1. Explain how the field of audiology is a behavioral science.

(12 marks)

OR

2A. What are the factors to be considered to formulate a research hypothesis?

2B. What are the types of research hypothesis?

(6+6 = 12 marks)

3. What are the types of data encountered during research? What are the different types of variables studied in research?

(12 marks)

OR

4. Elaborate on the instrumental, behavioral, and recording procedures in the field of speech language pathology.

(12 marks)

5. Differentiate between random and non-random methods of sampling.

(12 marks)

OR

6. Elaborate on the factors that influence the representativeness of the sample.

(12 marks)

7. Define research methodology. Explain the important aspects involved in the research methodology.

(12 marks)

OR

8. Discuss the steps involved in conducting an experimental research.

(12 marks)

9. What are the components of a research article? Explain using suitable examples.

(12 marks)

OR

10. Elaborate in detail the qualities of a scientific clinician.

(12 marks)

11. Explain in not more than 2-3 sentences

11A. Research question

11B. Scientific enquiry

11C. Discrete vs. continuous data

11D. Scales of measurement

11E. Probability sampling

11F. Snowball sampling

11G. Strengths of normative research

11H. Weaknesses of standard-group comparisons

11I. Aim and objectives of a study

11J. Presentation of data

(2 marks × 10 = 20 marks)



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MANIPAL UNIVERSITY

SIXTH SEMESTER B.A.S.L.P. DEGREE EXAMINATION – DECEMBER 2016

SUBJECT: NEUROGENIC LANGUAGE DISORDERS IN ADULTS (B 6.1)

Saturday, December 17, 2016

Time: 10.00-13.00 Hrs.

Max. Marks: 80

✍ **Answer the following questions:**

- 1A. Differentiate between the right and left cerebral hemispheric functions.
1B. Discuss the functions of Corpus callosum.

(8+4 = 12 marks)

OR

- 2A. Write the neuro anatomy and physiology of sub cortical structures.
2B. What is competency and performance in neurogenic language disorders?

(8+4 = 12 marks)

- 3A. Write any two definitions of Aphasia given by different authors.
3B. Elaborate on various associated deficits observed among individuals with Aphasia.

(4+8 = 12 marks)

OR

- 4A. Elaborate any one classification system of Aphasia. Provide its merits and de merits.
4B. Discuss the clinical features of Individual with Wernicke's Aphasia.

(6+6 = 12 marks)

5. Describe the ICF framework for assessment of Aphasia.

(12 marks)

OR

- 6A. Highlight the salient features of Western Aphasia Battery.
6B. Western Aphasia Battery is an impairment oriented test. Comment.

(8+4 = 12 marks)

- 7A. Write about the linguistic features observed among illiterate individuals with Aphasia.
7B. Highlight the key clinical features observed in individuals with sub cortical Aphasia.

(6+6 = 12 marks)

OR

- 8A. List the salient linguistic deficits observed in individuals with TBI.
8B. List any five differences between primary progressive Aphasia and typical Aphasia syndrome.

(6+6 = 12 marks)

9. What is AAC? Write about few AAC options available for adults with neurogenic language disorders. (12 marks)

OR

10A. Aphasia rehabilitation involves a team approach. Discuss.

10B. Enumerate the general principles of Aphasia therapy.

(6+6 = 12 marks)

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

11A. Supra marginal gyrus

11B. Long term memory in Brain

11C. CVA

11D. Blood Brain Barrier

11E. Components of Bilingual Aphasia Test

11F. MRI

11G. Define Agraphia

11H. Neglect

11I. Group therapy in Aphasia

11J. Prognostic indicators of Aphasia

(2 marks × 10 = 20 marks)



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MANIPAL UNIVERSITY

SIXTH SEMESTER B.A.S.L.P. DEGREE EXAMINATION – DECEMBER 2016

SUBJECT: NOISE MEASUREMENTS AND HEARING CONSERVATION (B 6.2)

Monday, December 19, 2016

Time: 10.00-13.00 Hrs.

Max. Marks: 80

☞ Answer the following questions:

1. Discuss any four non auditory effects of noise. (12 marks)

OR

2. Classify noise into different types based on its sources. Discuss effects of noise on communication. (12 marks)

3. Compare and contrast Manual Audiometry and automatic audiometry. (12 marks)

OR

4A. Discuss the important of Baseline Audiometry and periodic Audiometry in NIHL.

4B. Write about any two tests of susceptibility. (6+6 = 12 marks)

5. Design a noise measurement program for chemical Industry. (12 marks)

OR

6. How would you go about measurement of noise levels of a moving vehicle? (12 marks)

7. Compare and contrast various types of EPDs in terms of attenuation, comfort, durability, stability, hygiene and temperature tolerance. (12 marks)

OR

8. Plan a hearing conservation program for a cotton industry. (12 marks)

9. Describe any three methods of disability calculation. (12 marks)

OR

10. Write a note on the following acts:

- a) AFR 160-3 b) CHABA c) OSHA

(4 marks × 3 = 12 marks)

11. **Write short notes on:**

11A. SNR

11B. NC curves

11C. HFA

11D. Immitance findings in NIHL

11E. Accessories of SLM

11F. Dosimeter

11G. Amplitude sensitive EPDs

11H. NRR

11I. AMA

11J. Damage risk contours

(2 marks × 10 = 20 marks)

