OB 010 (Sp&Hg)

II Semester B.Sc. Examination, April/May 2005
(Integrated Semester Scheme)
Speech and Hearing
Speech Diagnostics and Therapeutics

Time: 2 Hours   '   Max. Marks: 50

Instruction   : *Answer all the questions.*

I. 1.a) Discuss the basic premises and models on which the diagnostic
         procedures are   based.   5
    b) Briefly describe the tools used in diagnosis.   5

  . 2. a) Diagnostic process is both a 'science and an art'. Discuss.   7

      b) Highlight the importance of case history as a diagnostic tool.   3

II. 3. a) With a neat diagram, describe Bloom and Lahey's classification system
         for language functions.   6

      b) List the different types of diagnoses.   4

     ;4. a) With a neat diagram, briefly describe the child language process model
         of Aram and Nation.   6
      b) Discuss the usefulness of instrumentation in diagnostic process.   4

III. 5. Write notes on **any two** of the following :   **(5x2)**
      a) Characteristics of a good clinician
      b) Variables related to effective management.
      c) Advantages and disadvantages of individual and group management.

                                    OR

      6. Write notes on **any two** of the following :   (5x2)
      a) Evaluation, diagnosis and assessment.
      b) Integrated education, indusive education and reverse integration.
      c) Principles of speech-language therapy.

IV. 7. Answer **any two** of the following: **(5x2)**

    a) Describe your plan of action when a 3 year old child is brought to you with a complaint of delay in speech and language.

    b) Describe your procedures of evaluation and assessment of a 16 year old boy with the complaint of voice problem.

    c) Briefly describe different approaches to speech-language therapy.

OR .

  8. Answer **any two** of the following : **(5x2)**

    a) Describe the types of reinforcement schedules for children.

    b) Describe the types of goal setting in speech-language therapy.

   c) Describe formal, informal and electic approaches to speech language *therpy*

V. 9. Write short notes on : (5x2)

    a) Diagnostic report

    b) Counselling.

OR

  10. Write short notes on: (5x2)

    a) MIDVAS

b) Transfer and maintenance skills.

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OB020(Sp&Hg)

I B.Sc. (II - Semester) Examination, April/May 2005
(Integrated Semester Scheme)
Speech and Hearing
Audiological Evaluation

Time: 2 Hours   Max   Marks; 50

*Instruction: Answer **all** questions.*

I. Discuss the rationale of puretone audiometry.   10

              OR

Highlight the importance of the results obtained from puretone audiometry.   10

II. Describe the different biological methods used to calibrate output SPL
through bone vibrator.   10

How do you calibrate speech stimuli from an audiometer ?   10

III. A) What is a transducer ?   1

     B) Compare different transducers used in air conduction testing.   *9*

              OR

 Write notes on artificial ear and artificial mastoid.   10

IV. What is occlusion effect ? How do you find out occlusion effect ? Discuss
its importance in clinical masking.   10

OR

What factors are to be considered in calculating minimum effective masking
level ? Justify your answer.   10

V. What factors contribute to a disagreement between SRT and PTA ? How do
you resolve the disagreement ?   10

              OR

Discuss in detail the clinical utility of speech identification scores.   10

2. Define protein energy malnutrition. Classify P.E.M.   5

What are the clinical features of Kwashiorkor ?   .5

II. 3. Discuss Attention Deficit Hyperactivity Disorder.   .   5

OR

4. Explain nontraditional modes of inheritance.   5

Epidemiology   Marks: 15

Answer **any three** questions. **All** questions carry **equal** marks.

1. What is epidemiology ? Mention the epidemiological triad with a diagram. Enumerate uses of   epidemiology.   5

2. Define prevalence and incidence. Describe the methodology of estimating prevalence of hearing loss among people of 60 years and above in a rural region consisting of 25 villages.   5

3. Describe how do you establish the validity of a new screening programme for communication disorders with an existing one with the help of a hypothetical example   5

4. Enumerate on the salient features of a questionnaire survey. Focus on its uses, merits and demerits.   5

OB040(Sp&Hg)

I B.Sc. II Semester (Speech **and Hearing) Examination, April/May 2005** (Integrated Semester Scheme)

Neurology

Time: 2 Hours .   Max. Marks: 50

instruction; *Answer all Units.*

.   UNIT -1

1.   Write short notes on :

a) Circle of willis.   5

b) Facial Nerve.   5

2.   a) Classification of Nerve   fibres.   .5

b) Neuromuscular Junction Transmission   5

UNIT-II

3.   a) Syringomyelia.   5

b) Pyramidal tracts.   5

4.   a) Communicating Hydrocephalus.   5

b) Meningeal infections and language disorders.   5

.   UNIT-III

5.   a) Discuss briefly the causative agents, pathogenesis and clinical features of pyogenic meningitis. Also briefly state how a case of pyogenic meningitis will be investigated and managed.   10

6.   a) Herpes Simplex Encephalitis.

b) Subarachnoid Hemorrhage. **(5x2=10)**

P.T.O

7. Discuss in detail the types ofstrokes, aetiopathogenesis of ischemic stroke, its clinical features and language disorders resulting. 10

OR

8. Write short notes on:. (5x2 = 10)

a) Alzheimer's Disease.

b) Parkinsons's Disease.
UNIT- V

9. Write short notes on : (5x2=10)

a) Multiple Sclerosis

b) Wernicke's encephalopathy.

OR

10. a) Alcoholic cerebellar degeneration. (5x2 = 10)

b) Glioma

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