

SB 010

II Semester B.S.Ed. Examination, April/May 2007
(Integrated Semester Scheme)
Special Education (Hearing Impairment)
Audiology for Educators

Time : 2½ Hours

Total Marks : 60

Instruction: Answer all questions,

- I 1. a) Briefly describe the concept of impairment, disability and handicap. 4
b) Describe in detail classification of hearing loss. 8
2. a) Explain the basic anatomy of hearing mechanism. 8
b) State the functions of the middle ear. 4
- II 3. a) What information do you get from pure-tone audiometry ? 8
b) What is the role of bone conduction in hearing evaluation ? 4
- OR
4. Differentiate the following tests naming two tests each. 12
a) Screening and diagnostic tests
b) Behavioral and objective tests.
- III 5. What is speech audiometry ? Explain any two speech audiometric procedure. 12
Mention their advantages.
- OR
6. In what way does speech audiometric evaluation aid in the rehabilitation of hearing impaired children ? 12
- IV 7. a) Prepare a referral note for a 4 year old hearing impaired child seen by you. 8
b) Discuss the importance of case reports. Write a note on points to be considered in preparing case reports. 4

OR

P.T.O.

8. Discuss the different types of information that are available from audiological evaluation report. How does this information help in educational rehabilitation? 12

V 9. a) What is the role of a special teacher for hearing impaired in an integration set-up ? 8

b) How can she/he ensure co-operation from other teachers ? 4.

OR

10. a) What is the need for a resource room in integrated education ? 4

b) What facilities should be there in a resource room ? 4

c) What will be the duties of a resource teacher ? 4

SB 020

II Semester B.S.Ed. Examination, April/May 2007
(Integrated Semester Scheme)
Special Education Hearing Impairment
Aids and Appliances in Teaching Hearing Impaired

Time: 2½ Hours

Max. Marks: 60

Instructions : Answer all questions.

- I. 1) a) What is meant by trouble shooting of hearing aids ? As a teacher, why do you need such skills ? 8
- b) If the problem is that a hearing aid does not get switched on, then how do you make it operational ? 4
- OR
- 2) Draw the diagram of a typical hearing aid and label its components. What precautions do you take for the proper functioning of a hearing aid ? 12
- II. 3) Write in brief note on the need for ALDs in classroom. State the advantages and limitations of different ALDs used in classrooms. 12
- OR
- 4) How do you educate parents regarding use, care and maintenance of an ALD that can be used at home and at school ? 12
- III. 5) a) What are the parts of a Cochlear implant ? 4
- b) Describe the working of a cochlear implant with a block diagram. 8
- OR
- 6) a) Who are the candidates for cochlear implants ? 8
- b) Mention the advantages and disadvantages of cochlear implants. 4

P.T.O.

SB 020

- IV. 7) What devices are available to improve speech perception through visual and tactile modalities ? What are the merits and limitations of these devices ? 12

OR

- 8) What devices are available to improve articulation in children with hearing impairment in a classroom? Describe each of them. 12

- V. 9) How can you use computers to improve rhythm of speech ? Describe an activity to improve rhythm using a device. 12

OR

- 10) What are the voice problems seen in a child with hearing impairment ? How do you improve the quality of voice of school-going children with hearing impairment? 12
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SB 030

**II Semester B.S.Ed. Examination, April/May 2007
(Integrated Semester Scheme)
Hearing Impairment
Community Studies of Disability**

Duration : 2½ Hours

Max. Marks : 60

Instruction: Answer all questions.

- I. a) Define hearing impairment. Describe its epidemiology and classifications. 8
b) Describe the communication problems seen in adults with hearing impairment. 4
- OR
- a) Draw a neat diagram of human ear and label each part. Describe the physiology of hearing. 9
b) Describe the role of hearing in speech and language development. 3
- II. a) Describe the indications for early identification of hearing problems in school going children. What screening tests are available for this purpose ? 8
b) Describe a checklist that can be used for early identification of hearing problems. 4
- OR
- a) Discuss the role of the multi-disciplinary approach in prevention, identification and management of hearing impairment. 4
b) Describe any one of the diagnostic tests used for identifying hearing and communication problems in children. Explain with suitable examples, the interpretation of these test results. 8
- III. a) Describe the role of Panchayat in community based rehabilitation. 6
b) Describe the various community services available for the disabled in India. 6
- OR
- a) Describe the various schemes meant for the welfare of the disabled. 6
b) Describe the role of health workers in community based rehabilitation. 6

P.T.O.

- IV a) Define empowerment. How can the community and parents empower disabled people ? 5
- b) Describe the role of self-help groups and other agencies in empowering disabled people. 7
- OR**
- a) What measures can you take to empower disabled people in the community ? 12
- V. a) Describe the effectiveness of different media for different target groups in relation I to prevention and identification of hearing problems. 12,
- a) Describe the role of media in community awareness programmes. 6
- b) Describe the strategies that can be used for community awareness. 6
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II Semester B.S.Ed. Examination, April/May 2007
(Integrated Semester Scheme)
Special Education Hearing Impairment
Computer Application in the Education of Hearing Impaired

Time: 2½ Hours

Max. Marks: 60

Instruction : Answer all five questions.

- I. 1) a) Write in brief the different types of memory devices used in computers. 6
b) Mention the uses of internet in the telerehabilitation of hearing impaired. 6

OR

- 2) a) What is an application software ? Discuss the role of application software in the education of hearing impaired. 8
b) Write an explanatory note on : 4
i) Flow charts ii) Operating system.
- II. 3) a) Explain how digital devices can be effectively used in the education of hearing impaired. Give suitable examples. 8
b) Discuss the advantages of digital signal processing over analog signal processing, referring to hearing aid as an example. 4

OR

- 4) a) Define frequency modulation. How do you make use of FM technology in a classroom for the hearing impaired ? 8
b) Compare between digital and analog communication system. 4

III. 5) a) Explain briefly the different methods of speech synthesis. Illustrate the educational applications of synthetic speech. 10

b) What is voice response system ? 2

OR

6) a) Write an explanatory note on speaker recognition system. 4

b) Explain how voice recognition system can be used for the benefit of hearing impaired children. 8

IV. 7) Describe any three software packages used in speech and language teaching. 12

OR

8) a) Explain briefly the programming of hearing aids using computers. 6

b) Discuss the advantages of using computers in teaching speech and language to hearing impaired children. 6

V. 9) Explain how computers can be used to teach a lesson on 'Atomic structure' to high school children with hearing impairment in inclusive school. 12

10) a) Mention the usefulness of computers in carrying out statistical and research activities. 4

b) "Computers are a great support for effective instructional process in the education of children with hearing impairment in Indian Context" comment on this statement. 8

SB 050

II Semester B.S.Ed. Examination, April/May 2007
(Integrated Semester Scheme)
Hearing Impairment - Special Education
Methodology in Aural Rehabilitation

Time : 2

½Hours

Max. Marks : 60

- I. 1) a) Discuss the factors that lead to success in inclusive education. 8
b) Write a brief note on segregated education. 4

OR

- 2) a) Briefly explain the various levels of inclusive education . (6+6)
b) Define inclusive education. State its relevance in education of the hearing impaired.

- II. 3) a) Who. are the candidates for resource room services ? 6
b) How do you set up a resource room in a normal school ? 6

OR

- 4) Describe the duties and responsibilities of a resource teacher in a resource room for the hearing impaired. 12

- III. 5) a) Define unisensory and multisensory approaches. 4
b) Critically evaluate the unisensory approach in rehabilitation of children with hearing impairment. 8

OR

- 6) a) Describe the various multisensory approaches. (6+6)
b) Discuss the advantages and disadvantages of each. 4

P.T.O.

- IV. 7) a) "Role of auditory training in the rehabilitation of hearing impairment is crucial". Comment. 6
- b) Briefly describe Erber's method of auditory training. 6

OR

- 8) a) What precautions need to be taken in a session for auditory training ? 6
- b) What factors affect the outcome of auditory training? 6
- V. 9) a) Write a note on synthetic method of speech - reading. 4
- b) "Sender as well as receiver characteristics affect performance of speech reading". Discuss. 8

OR

- 10) a) Who are the candidates for speech reading ? 4
- b) Write an essay on communication strategies for the hearing impaired. 8