

SB 010 (HI)

Final Semester B.S.Ed. (HI) Examination, April/May 2004

(Scheme ISS)

Audiology for Educators

Time: 21½ Hours Max. Marks: 60

Instruction: Answer any five questions.

- 1a) Describe the anatomy and physiology of the middle ear. 6
 - b) How do you classify hearing impairment ? 6
 - OR
 2. Discuss the conceptual basis of the terminologies used for classifying hearing impairment. Describe its importance for the educational management of hearing impaired. 12
 3. a) What is the relative importance of behavioural and objective tests in hearing evaluation? 8
 - b) Write a short note on degree of hearing impairment. 4
 - OR
 4. a) What is sound ? How is sound propagated in air ? 6
 - b) Compare and contrast any two screening and diagnostic tests. 6
 5. a) What is the importance of speech audiometry ? 4
 - b) Describe the type of speech material used for testing children of different age groups. 8
 - OR
 6. Discuss the relevance of speech recognition and speech discrimination scores in the educational planning for hearing impaired children. 12 -
 7. a) What factors determine and influence the educational placement of hearing-impaired children? 8
 - b) What test reports would you seek on a child with multiple handicap and why ? 4
 8. Imagine you come across a 7 year old child with chronic ear discharge and frequent upper respiratory infections. What is your interpretation of the child's condition? Where would you refer him for management ? Justify your answer. 12
 9. a) What is the importance of classroom acoustics in the education of the hearing impaired? 6
 - b) What is speech reading ? How would it facilitate learning in a classroom ? 6
 - OR
 10. Discuss the adjustment problems children with severe sensorineural hearing impairment may have. How would you address them ? 12
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SB 020 (HI)

Final Semester B.S.Ed. (HI) Examination, April/May 2004 (ISS Scheme)

B . S . E D (H I)

Aids and Appliances in Teaching Hearing Impaired

Time: 21½ Hours .

Max. Marks: 60

- I. 1. a) Describe the step by step procedure that you would use to perform a listening check on a body worn hearing aid. 8
b) How would you say that the quality of a hearing aid is good ? 4

OR

2. a) Compare the following:
a) Omnidirectional and directional microphones. .3
b) Pseudo binaural and binaural filling. 3
c) ITC and BTE. 3
d) Y cords and V cords. .3

3. a) How is an assistive listening device different from a hearing aid ? 6
b) Name four ALD's that can be used in class rooms to educate the hearing impaired. 2
c) Which of the above four would be most ideal? Justify your choice. . 4

4. Describe the ALDs that are usually used in a classroom. 12

- III. 5. Compare Cochlear implants with hearing aids and bring out the similarities. 12

OR

6. a) What are the different types of Cochlear implants? 6
b) What are the parameters on which candidacy for cochlear implant is determined? 6

- IV. 7. Describe one visual and one tactile devices that can be used to improve speech articulation in the speech of the hearing impaired. 12

OR

8. Describe in brief portable and nonportable devices used to improve articulation. 12

- V. 9. Describe a device that can be used to improve the voice quality of the hearing impaired. What are its advantages and disadvantages ? 12

OR •

10. Multi sensori feedback is essential to improve quality of voice and rhythm in a hearing impaired child. Discuss.
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SB 030 (HI)

Final Sem. B.S.Ed, (HI) Examination, April/May 2004
(ISS Scheme)

Community Studies of Disability

Time: 2½Hours

Max. Marks: 60

Instruction: Answer all questions.

I. Describe the primary preventive measures for speech and hearing problems. 12

OR

Describe hearing mechanisms. Explain the causes and prevention of hearing impairment and communication problems. 12

n. a) Describe the indications for identification and screening tests for hearing impairment. Describe a check list used for early identification of speech and hearing problems. 8

b) Explain, with examples, the interpretation of any one diagnostic test for assessing hearing problems. 4

OR

a) List the team members involved in the early identification of speech and hearing problems. Explain the role of each member and how their contributions are integrated? 8

b) What is multidisciplinary approach in early identification of hearing impairment ? Why is it essential ? 4

III. a) Explain conveyance of community data and its use.

b) Discuss the role of Panchayat in Community based rehabilitation. 8

OR

a) Describe how elected representatives (MLA's and MP's) can facilitate community based rehabilitation programs for disabled. 6

b) Describe the status and scope of community services for disabled in India. 6

IV. What is meant by empowerment of the disabled ? Describe the ways of empowering disabled people in the community. Bring out the role of each of the agencies in empowerment. 12

OR

Describe the role of media in community awareness programs. 12

V. Describe the effectiveness of each media for different target groups, with reference to prevention and early identification of hearing problems. 12

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a) Discuss different strategies for community awareness programmes. How nurses and doctors can contribute to these programs ? 6

b) Discuss the role of audio visual aids and radio in community awareness programmes. 6

SB 040 (HI)

**Final Sem. B.S. Ed. (HI) Examination, April/May 2004
(I.S.S. Scheme)**

**Hearing Impairment
Computer Applications in the Education of Hearing Impaired**

Time: 2-Hours

Max. Marks: 60

Instruction: Answer five questions.

- I. 1. Write in brief on the memory devices used in a computer. Differentiate between RAM and ROM. 12
- OR
2. a) What are application software ? 2
- b) Highlight the need for application software in the field of education with suitable examples. 10
- II. 3. a) What are the differences between analog and digital systems ? 4
- b) Name and explain four digital systems that can be used in the education of the hearing impaired. 8
- OR
4. a) What is a communication system ? 6
- b) What is the impact of digitization of communication systems? 6
- III. 5. a) What are voice recognition systems ? 4
- b) Write notes on the usefulness of voice recognition systems for the hearing impaired. 8
6. a) What is a speech recognition system ? 4
- b) Write notes on how speech recognition systems can be used with the hearing impaired. 8
- IV 7. a) Describe how computers can be used for teaching speech language to the hearing impaired. 8
- b) Briefly describe any two software programs that can be used to teach speech or language to the hearing impaired. 4
- OR
8. What are the advantages and disadvantages of computer programs in teaching auditing learning activities for the hearing impaired ? 12
- V. 9. Describe how computers can be used to teach a lesson on "Climate in India" to high school children with hearing impairment ? 12
10. a) "Computers can be more appropriately used to teach social science subjects than art subjects". Critically evaluate this statement. 10
- b) Name any two application-software that can be used to prepare material on the computer to teach children with hearing impairment. 2

SB 050 (HI)

Final Semester B.S.Ed. Examination, April/May 2004

HI (I.S.S. Scheme)

Methodology in Aural Rehabilitation

Time: 2½ Hours

Max. Marks: 60

Instruction: Answer all questions.

- II. a) What is meant by 'Segregated', 'Integrated' and 'Inclusive' education? 6
b) Explain the different issues that help in achieving mainstreaming. 6
OR
2. a) Explain the criteria that you follow for including children in inclusive education. 6
b) What are the different tests and factors that help in planning inclusive class set-up? 6
- II. 3. a) What is a resource room? How does it help in enhancing the learning of hearing impaired in regular class? 8
b) How do you equip the resource room for the hearing impaired? 4
OR
4. a) Explain the role of a resource teacher in meeting the special needs of the hearing impaired. 8
b) State the provisions infrastructure that should be provided for the hearing impaired in regular class. 4
- III. 5. a) What is meant by unisensory approach with reference to teaching hearing impaired children? 8
b) State the advantages and disadvantages of unisensory approach. 8
OR
6. a) Describe Ling's approach to teaching of speech. 6
b) Discuss the different types of multi-sensory approaches. 6
- IV. 7. How do you provide auditory training to pre-school hearing impaired children? Support your answer with examples. 12
OR
8. a) Explain how do you make use of principles of acoustics of speech in auditory training. 8
b) How would you create the required class-room acoustics needed for auditory training? 4
- V. 9. a) What is the importance of speech reading? 4
b) Describe the factors that influence & facilitate speech reading. 8
OR
10. a) Explain the different methods of speech reading. 8
b) Discuss the use of repair strategies in enhancing communication with hearing impaired. 4
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