

**REGULATIONS & COURSES OF STUDIES OF 4 YEARS
BACHELOR OF AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY (BASLP): 2023**



**THE ODISHA UNIVERSITY OF HEALTH SCIENCES,
BHUBANESWAR- 751009**

REGULATIONS & COURSES OF STUDIES FOR THE 4 YEARS BACHELOR OF AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY DEGREE - 2023

- 1. Title and commencement of the Program:**
 - These regulations may be called " Bachelor of Audiology & Speech language Pathology (In short BASLP) Regulations 2023".
 - They shall come into force from the current academic year 2023-24.
 - The Regulations and courses of studies prescribed are in conformity with Rehabilitation Council of India and subject to modification by the Academic Council and Executive Board of the Odisha University of Health Sciences, Bhubaneswar from time to time.
- 2. Introduction:** Audiology is the science of Hearing. It deals with the study of typical sound perception and Balance mechanism, Hearing and Balance disorders and the rehabilitation of people suffering from Hearing and Balance disorders.

Speech Language Pathology is the science that deals with the study of Speech, Language and its disorders occurring in people (disorders related to Speech and Language).

Speech Therapy is an allied healthcare profession in which an individual is trained and certified to work with children and adults to help with speech, language, communication and swallowing disorders and provide services to prevent, assess, diagnose and treat speech, language, communication and feeding disorders in children and adults. Other case like cleft lip and palate (CLP), reading, writing problems, voice disorder cases, aphasia, dysarthria, apraxia, and other locomoted differently abled having speech and language disorders.

Speech is a powerful tool that connects humans to one another. Apart from hearing and speech impairments, there are also developmental disorders such as autism and stammering that cause delays in speech or affect fluency in children. In adults, speech and swallowing disorders are caused by neurological issues such as stroke, Parkinson's Disease, or tumours in the brain.

This course provides professional training to students and makes them capable of preventing, identifying, managing, and rehabilitating persons with Speech, Hearing and Balance disorders. Knowledge about state-of-the-art hearing aids and Speech disorder assessment and therapeutic technology is also imparted to the students.

Bachelor of Audiology & Speech-Language Pathology (BASLP) is a four-year course including 10 months of internship. It is evenly distributed in theoretical learning and clinical practice. The program includes techniques and methods that are helpful in diagnosing and treating Hearing, Speech, and Balance-related disorders amongst individuals. The course imparts education regarding various disorders related to Hearing, Speech, and Balance. Clinical practice helps individuals in treating these disorders and helping clients recover from these problems. Basically, it comprises three major areas as Audiology, Speech-Language Pathology.

- 3. Goal:** The goal is to train the students to the level that s/he can optimize and enhance the ability of an individual to hear, speak, and communicate.
- 4. Objective:** The objective is to equip the students with knowledge and skills to;
 - function as audiologists and speech-language pathologists in different work settings
 - Understand concepts in speech, language, communication, hearing and disability
 - Screen, evaluate, diagnose and assess the severity of different disorders related to speech, language, swallowing and hearing, manage speech, language, swallowing and hearing disorders across life span counsel persons with disorders of communication and their family

- iv. members rehabilitate persons with speech, language, swallowing and hearing disorders
- v. Prevent speech, language, swallowing and hearing disorders, liaise with professionals in allied fields and other stake holders implement public awareness and education program,
- v. Undertake advocacy measures on behalf of and for persons with speech language and hearing disorders.

5. Eligibility for admission to the Course:

(i) +2 or equivalent with 50% marks in aggregate. The applicant/candidate should have studied Physics, Chemistry and any one of the subject Biology / Mathematics / Computer Science / Statistics / Electronics / Psychology.

(ii) **Physical fitness Certificate:** Every candidate before admission to the course shall be required to submit College Leaving Certificate, Migration Certificate (if applicable) in original, Physical Fitness Certificate and a declaration before the Principal / Director of the Institution that

- (a) I am not continuing in any Degree Course under any State, Deemed, Central University and Autonomous Body.
- (b) I have not been involved in any kind of criminal and unlawful activities in the past.

Provided further, after fulfilment of all condition (s), the University on receipt of student detail with prescribed fees, shall issue University Registration Number as per OUHS First Statute-2023, which shall be used as Roll Number for all Semester Examination (s).

6. Duration: The duration of the course is 4 (Four) academic years including one year internship which shall be undertaken in the final year.



7. Medium of instruction: English shall be the medium of instruction for all the subjects of study and for examination of the course.

8. Commencement of the Course: The course will commence from August / September 1st of every year.

9. Academic Year: The academic year shall be twelve months consisting of two semesters and commencing on the first day of enrolment into the course.

10. Attendance: The component wise attendance percentile shall be as under;

Subjects	Eligibility criteria
Subjects taught in one phase	80% theory, 90% Practical
Internship	100%

11. Course Cycle, Codes and Structure: The three-year full-time programme consists of six semesters. There shall be 26 (Twenty-Six) numbers of theory subjects, 12 (Twelve) Numbers of Practical / Clinical including Internship consisting of two papers in the final Semester (i.e. 7th & 8th Semester). The total marks for the Course is 3800 including internship.

The total number of digits used in the course is 08 (Eight).

- i. The 1st two digits (Numerical) indicates the Year of Courses of Studies.
- ii. The 3rd digit (Letter) indicates the "Faculty" Allied Health Sciences.
- iii. The 4th & 5th digits (Letters) indicate the Course Code "BASLP".
- iv. The 6th digit (Numerical) indicates the Semester.
- v. The 7th & 8th digits (Numerical, Numerical and Letter) indicate sequence of the Theory Subject (s) of the Semester or Practical.

Table No 01 Course Structure:

Sub Code	Sub Title	Contact Hours		Internal Assessment		U-Assessment		Total
		Theory	Practical	Theory	Practical	Theory	Practical	
First Semester								
23ABS101	Communication Sciences	60	100	10	15	75	--	100
23ABS102	Anatomy and Physiology of Speech and Hearing	60	100	10	15	75	--	100
23ABS103	Clinical Psychology	60		10	15	75	--	100
23ABS104	Linguistics and Phonetics	60		10	15	75	--	100
23ABS105	Electronics and Acoustics	60		10	15	75	--	100
23ABS106	Research Methods and Statistics	60		10	15	75	--	100
Total		360	200	60	90	450	--	600
Second Semester								
23ABS201	Neurology	60	--	10	15	75	--	100
23ABS202	Otolaryngology	60	--	10	15	75	--	100
23ABS203	Speech-Language Pathology	60	--	10	15	75	--	100
23ABS204	Clinicals in Audiology	60	--	10	15	75	--	100
23ABS2P1	Clinicals in Speech-language Pathology	--	160	10	15	75	--	100
23ABS2P2	Audiology	--	160	10	15	75	--	100
Total		240	320	60	90	450	--	600
Third Semester								
23ABS301	Voice and its Disorders	60	160	10	15	50	25	100
23ABS302	Speech Sound Disorders	60	--	10	15	50	25	100
23ABS303	Diagnostic Audiology - Behavioural Tests	60	--	10	15	50	25	100
23ABS304	Amplification Devices	60	--	10	15	50	25	100
23ABS3P1	Clinicals in Speech-Language Pathology	--	160	10	15	75	--	100
23ABS3P2	Clinicals in Audiology	--	160	10	15	75	--	100
Total		240	320	60	90	350	100	600
Fourth Semester								
23ABS401	Motor Speech Disorders in Children	60	--	10	15	50	25	100
23ABS402	Child Language Disorders	60	--	10	15	50	25	100
23ABS403	Diagnostic Audiology - Physiological Tests	60	--	10	15	50	25	100
23ABS404	Implantable Hearing Device	60	--	10	15	50	25	100
23ABS4P1	Clinicals in Speech-Language Pathology	--	160	10	15	75	--	100
23ABS4P2	Clinicals in Audiology	--	160	10	15	75	--	100
Total		240	320	60	90	350	100	600

Sub Code	Sub Title	Contact Hours		Internal Assessment		U-Assessment		Total
		Theory	Practical	Theory	Practical	Theory	Practical	
Fifth Semester								
23ABS501	Structural Anomalies & Speech Disorders	60	--	10	15	50	25	100
23ABS502	Fluency and its Disorders	60	--	10	15	50	25	100
23ABS503	Paediatric Audiology	60	--	10	15	50	25	100
23ABS504	Aural Rehabilitation in Children	60	--	10	15	50	25	100
23ABS5P1	Clinicals in Speech-Language Pathology	--	160	10	15	75	--	100
23ABS5P2	Clinicals in Audiology	--	160	10	15	75	--	100
Total		240	320	60	90	350	100	600
Sixth Semester								
23ABS601	Motor Speech Disorders in Adults	60	--	10	15	50	25	100
23ABS602	Language Disorders in Adults	60	--	10	15	50	25	100
23ABS603	Aural Rehabilitation in Adults	60	--	10	15	50	25	100
23ABS604	Audiology in Practice	60	--	10	15	50	25	100
23ABS6P1	Clinicals in Speech-Language Pathology	--	160	10	15	75	--	100
23ABS6P2	Clinicals in Audiology	--	160	10	15	75	--	100
Total		240	320	60	90	350	100	600
Seventh Semester								
Internship (Parent Institution)	Internship -Clinicals in Speech-Language Pathology	--	315	--	--	--	--	--
Internship (Parent Institution)	Clinicals in Audiology	--	315	--	--	--	--	--
		--	630	--	--	--	--	--
Eighth Semester								
23ABS8P1	Internship -Clinicals in Speech-Language Pathology	--	315	--	--	100	--	100
23ABS8P2	Clinicals in Audiology	--	315	--	--	100	--	100
Total		--	630	--	--	200	--	200
Grand Total		1560	3060	360	540	2500	400	3800

12. Plan of Studies (Teaching, Training & Practice): The duration of the course will be eight semesters. Six semesters of course work and two semesters of compulsory internship. Each semester shall consist of minimum 16 weeks. The academic program of each semester will consist of course work. The total contact hours shall be a minimum of 36 hours per week including lectures, tutorials and practicals. A student admitted into 4 Years Bachelor in Audiology & Speech Language Pathology Course shall be required to complete the teaching, practical and clinical Internship of two consecutive semesters during the final year.

12.1. Semesters (Odd / Even): Each semester shall consist of not less than 80 working days. The Odd Semesters shall commence from the month of June / July to November / December and Even

Semesters shall be conducted from December / January to May / June in every calendar year.

12.1.1. First Semester: A candidate shall be required to undertake 360 hours teaching in Communication Sciences, Anatomy and Physiology of Speech and Hearing, Clinical Psychology, Linguistics and Phonetics, Electronics and Acoustics, and Research Methods and Statistics. S/he shall also be required to undertake 200 hours practical in Communication Sciences, and Anatomy and Physiology of Speech and Hearing.

12.1.2. Second Semester: A candidate shall be required to undertake 240 hours teaching in Neurology, Otolaryngology, Speech-Language Pathology, and Clinicals in Audiology. S/he shall also be required to undertake 320 hours clinicals in Speech-language Pathology and Audiology,

12.1.3. Third Semester: A candidate shall be required to undertake 240 hours teaching in Neurology Voice and its Disorders, Speech Sound Disorders, Diagnostic Audiology -Behavioural Tests, Amplification Devices. S/he shall also be required to undertake 320 hours clinicals in Speech-Language Pathology, and Audiology.

12.1.4. Fourth Semester: A candidate shall be required to undertake 240 hours teaching in Motor Speech Disorders in Children, Child Language Disorders, Diagnostic Audiology - Physiological Tests, Implantable Hearing Device, Clinicals in Speech-Language Pathology, Clinicals in Audiology. S/he shall also be required to undertake 320 hours clinicals in Speech-Language Pathology and Audiology.

12.1.5. Fifth Semester: A candidate shall be required to undertake 240 hours teaching in Structural Anomalies & Speech Disorders, Fluency and its Disorders, Paediatric Audiology, Aural Rehabilitation in Children, Clinicals in Speech-Language Pathology and Audiology.

12.1.6. Sixth Semester: A candidate shall be required to undertake 240 hours teaching in Motor Speech Disorders in Adults, Language Disorders in Adults, Aural Rehabilitation in Adults, Audiology in Practice, Clinicals in Speech-Language Pathology, and Audiology.

12.1.7. Seventh and Eighth Semester: During 7th and 8th Semester, the candidate shall complete a clinical internship of one academic year (10 months) in Speech-Language Pathology and Audiology. The rules and regulations of clinical internship shall be as in RCI Syllabus. From time to time.

The clinical internship shall facilitate transition from academic training to independent clinical responsibility, provide additional inputs to attain and maintain competence in the clinical management of persons with communication disorders, initiate group and individual action focusing on prevention/early identification and intervention in individuals with speech, hearing and language impairments at the level of the individual, family and community. It will also provide training to understand professional responsibilities and ethical practices including Rights and dignity of patients.

The students will be posted for internship only at those institutions approved by the Rehabilitation Council of India. Students will do internship at their parent institute for one semester and at an institute (s) outside the parent institute for one semester. Internship can be done at institutes like hospitals, special educational centers / schools, centers where clinical facilities for management of ASD, cochlear implantation, AVT etc. are available, centers which undertake empowering of mothers, centers for CP, and centers for LD, etc. It shall be mandatory to provide additional clinical

training to students in such areas as management of neurologically afflicted persons, prevention and early intervention programs, community-based rehabilitation, occupational health programs, structural abnormalities related to speech and hearing, etc. Supervision should generally be provided by a Speech-language Pathologist and Audiologist. However, in institute / centers where this is not feasible, supervision can be done by a specialist from an allied area like Otolaryngology, Neurology, Mental Health, Paediatrics, among others.

However, every student shall maintain records of the number of hours of clinical work in different areas and institutions. The Head of institutions shall issue a certificate of successful completion of internship to each candidate after satisfying that the candidate has completed the training programme and has acquired the skills to function independently.

13. Scheme of Internal Assessments, Practical / Clinical, Assignment / Project (wherever applicable) and passing criteria:

13.1. Theory: Twenty-five per cent of the marks (25 marks) for each theory paper shall be given on the basis of internal assessment as follows.

Two sessional examinations - mid semester and model exams, evenly spaced shall be conducted each consisting of a quiz, assignment and test paper during the academic semester.

Marks shall be given on the basis of the marks scored in these examinations as follows:

Mid semester: 50%

Model Exam: 50%



13.2. Practicum: The distribution of internal marks for clinical work is as follows:

(i) 40% of the internal marks is allotted based on viva conducted at the end of the semester. The evaluation shall be done jointly by a Clinical Therapist – cum- Supervisor and another staff deputed by the Head of the Department.

(ii) 20% of the marks shall be allotted for the client contact hours obtained by the respective student during the practicum hours.

(iii) 40% of the marks shall be allotted for the clinical performance of the respective semester. Marks shall be awarded on the basis of clinical knowledge, use of instruments, report writing / proforma keeping, involvement / creativity in clinical activity and professionalism shown during clinical postings assessed using the clinical skill matrix.

13.3. At the time of practical examination, each candidate shall submit to the examiners his / her note books duly certified by the Clinical Therapist / Head of the Department as a bonafide record of the work done by the candidate.

13.4. The practical record shall be evaluated by the concerned Head of the Department / Therapist (Internal Evaluator) and the practical record marks shall be submitted to the University 15 days prior to the commencement of the theory Examinations. In respect of failed candidates, the marks awarded for record at previous examination will be carried over for the subsequent examination.

13.5. Participation in academic activities:

a) **Assignment:** It is an individual task and takes the form of written work. The topic is assigned by the course instructor pertinent to their current course. The topics for the

assignment comprise of writing essays/or reports on topics that:

- involve a critical component and have debatable/opposing views
- Is a new development/ or opinion pertinent to the curriculum but not included in the syllabus yet
- Involves to collect, synthesize and draw conclusions of the information collected from literature.

b) **Oral Presentations:** It is a group activity, consisting of two students in a group. The groups may be constituted randomly or by the choice of the students. Individual presentation could be considered for the final year and internees. These are to encourage verbal communication skills in students and also to assess organization and creativity.

c) **Record:** The purpose of the record book is to document the activities or experience during the lab works associated with the course. A procedure to document the activities, experiments or case-studies are explained as appropriate or required by the course.

d) **Case Observation:** In case observation, a student shall be required to know the type of cases, assessment procedures, and interventions in case-to-case basis. These observation reports will be required to submit before the course instructor / therapist for periodical review and guidance.

14. Eligibility criterions for appearing University Examinations:

A candidate shall be eligible to carry forward all the courses if a s/he fulfills the following criterions and hereafter prescribed under Regulation 18.1.

In addition,

- (i) Attended 80 % theory and 90% practical classes,
- (ii) Passed in Internal Assessment (s) and
- (iii) 50% of Marks in the University Practical Examination is mandatory to appear in the university theory exam.
- (iv) Not been debarred for any ~~objectionable~~ mis-conduct or malpractice by the Institution, and University.



15. Examinations [University (Theory & Practical) End Semester Examinations]:

15.1. There shall be semester examination conducted by the University at the end of each semester. Candidate securing a minimum of 50% marks in internal assessments of individual subjects and 50% marks in internal clinical evaluations (clinical assessment, client contact hours and internal viva) will only be eligible and allowed to appear for university examinations of the respective semester.

15.2. Theory examinations: Each theory paper of the examinations conducted by the University shall be valued by one external examiner and marks rounded to the next integer shall be awarded to the candidate.

15.3. Practical Examinations:

(i) **First, third and fifth semester:** The maximum marks for clinical practicum examination for both Audiology and Speech Language Pathology practicum shall be fifty. Twenty marks shall be awarded based on internal assessment, ten marks based on client contact hours and the remaining 20 marks shall be awarded based on an internal viva voce examination conducted by two internal examiners.

(ii) **Second, fourth and sixth Semester:** The maximum marks for clinical practicum examination for both Audiology and Speech Language Pathology shall be fifty. Twenty-five marks

each for Audiology and Speech Language Pathology practicum shall be awarded based on combined Comprehensive Viva Voce Examination for first and second semester together conducted by one external and one internal examiner. The remaining 25 marks shall be awarded based on internal viva voce examination, internal assessment and client contact hours, of which ten marks shall be awarded for Internal Assessment (IA), 5 marks based on client contact hours and the remaining 10 marks shall be awarded based on internal viva voce examination conducted by two internal examiners.

16. Registration: A candidate shall be eligible to register for a Semester Examination only when s/he has fulfilled college and corresponding university criterions.

(i) The College / Institution shall register the subjects of eligible students with the University on payment of a fee as to be notified by the University towards conduct of Regular / Back Theory examinations. The College / Institution shall retain 15% of the University Examinations fees to meet the expenditure of Examination Centre. However, such retention of fees shall not be applicable in case of Back Paper or Supplementary Examinations.

(ii) The College / Institution shall follow uniform Question pattern / template / Answer Booklets and Records for conducting Internal Assessment and Practical Tests.

17. Passing Heads: The passing head (Theory and Practical / Practicum) is as under;

(i) A Student is required to obtain a minimum of 50% in each of the theory papers, internal assessment, practical and clinical exams for a pass.

(ii) A Students will not be able to appear for University theory exam if they do not pass in their practical, internal assessment or clinical component.

(iii) A Students will have to pass the clinical examination of the given semester to proceed to the next semester.

(iv) A student shall be declared to have passed the examination if he/she obtains the following minimum qualifying marks: -

(a) 50% of Marks in Internal Assessment (I.A) – Theory & Practical.

(b) 50% of Marks in the University Practical Examination is mandatory to appear in the university theory exam.

(c) 50% of Marks in the University Theory Examination.

18. Promotion to Higher Semester, Re-admission after discontinuation or Break of Study into the Course:

18.1. (a) Candidates shall be permitted to undergo study in the second year carrying not more than four University Examination subjects in the first year Odd and Even Semester Examinations or together.

(b) Candidates shall be permitted to undergo study in the third year only after passing all the prescribed subjects of the first year. However, the candidates are permitted to carry not more than four University Examinations and two subjects of the second year (Odd / Even Semester Examinations or together).

(c) Candidates shall be permitted to undergo internship only after passing all the subjects of 1st, 2nd, 3rd, 4th, 5th & 6th Semester as per RCI Guidelines.

18.2. A candidate will be allowed for re-admission;

a) If s/he did / could not register for two consecutive semesters examinations.

b) if the candidate is eligible, and has permissible tenure to complete the remaining semesters. Provided further, s/he shall be required to apply in the prescribed form with fees as prescribed for the purpose, and shall be admitted in the course in force (Dual Syllabus).

19. Supplementary Examination: There will be a supplementary examination for final year 5th and 6th Semester theory subjects within three months from the date of publication of 6th semester examination to extend a chance to clear the failed theory subjects of 5th Semester and 6th Semester if any only. However, a candidate shall not be eligible; if s/he has not registered for the 5th and 6th Semesters, and accordingly has not appeared the 5th & 6th Semester University Examinations.

A student having more backlog after availing the chance, shall not be allowed to re-appear in the subsequent years Supplementary Examination meant for the regular final year students only. Such student (s) will be allowed re-appear back theory subjects only with the student in Regular Odd or Even Semester Examinations.

20. Classification of successful candidates and award of Degree: The University shall adopt Marking and division practice.

20.1. Candidate will be awarded division at the end of third (final) academic year as follows: Percentage of marks will be calculated from aggregate of total marks obtained in all the eight (excluding seven) semester examinations.

(i) First Division - 60% and above in the aggregate marks of all subjects.
(ii) Second Division – 50% or more but less than 60% in the aggregate of marks of all subjects.

20.2. A candidate will be awarded Degree in Bachelor of Audiology & Speech Language Pathology to a candidate who complete the prescribed period, courses of Studies, Clinical internship and has passed in all subjects (Theory & Practical) including Internship.

21. Record and Evaluation Guidelines: The Practical Answer Booklet, Project Assignment / Record Book shall be as per the guidelines to be issued in this regard shall be strictly followed by the Examiners while assessing a practical component.



22. Withdrawal from Course, Struck off from the rolls of the College / Institution Admitted and withdrawal of Degree:

22.1. The University upon application, shall cancel the registration number issued to the candidate, and issue migration certificate on payment of fee as to be prescribed by the University.

22.2. Any student who does not clear the Bachelor of Audiology & Speech Language Pathology Course in all the subjects within a period of 6 years (Excluding Internship) from the date of admission shall be discharged from the course.

22.3. Any student found to have obtained admission in fraudulent manner, if the documents furnished for gaining admission by any student are found to be forged / false / doctored at any stage of study.

22.4. If any student is found to be involved in serious breach of discipline.

22.5. A degree awarded by the University may be withdrawn if it is found at the later stage that the candidate has submitted any forged document or ineligible at the time of admission to the course.

23. Medal (s), Award (s) & Prize (s): The University shall notify as and when decided by the Academic Council and Executive Body from time to time.

24. Discretionary Power: Notwithstanding anything contained in the above, in case of any doubt or difficulty as to the interpretation of these Regulation (s), the matter shall be referred to the Vice Chancellor and his / her decision in this behalf, subject to the provisions of the OUHS Act - 2021, and OUHS 1st Statute - 2023 shall be final.

Registration no:

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Total Number of Pages: (XX)		Course: BASLP
		SUB_CODE:
(--- th) Year Regular / Back / Supplementary Examination: 20		
SUBJECT NAME:		
BRANCH:		
Max Time: 3 Hours		Sitting: 1st 10.00 AM to 1.00 PM
Max Marks: 75		
Q. CODE: (To be allotted by the University)		
All Questions are compulsory. Illustrate answer with diagrams wherever relevant / required		
The figures in the right-hand margin indicate marks.		
Q 1	Long Answer Question (Answer any one out of two) (1 X 10 marks)	
a)		
b)		
Q 2	Long Answer Question (Answer any one out of two) (1 X 10 marks)	
a)		
b)		
Q 3	Long Answer Question (Answer any one out of two) (1 X 10 marks)	
a)		
b)		
Q 4	Short Answer Questions (Focused) (Answer any two out of three) (2 x 5 marks)	
a)		
b)		
c)		
Q 5	Short Answer Questions (Applied) (Answer any two out of three) (2 x 5 marks)	
a)		
b)		
c)		
Q 6	Short Answer Case based question (Answer any two out of three) (2 x 5 marks)	
a)		
b)		
c)		
Q 7	Short Answer problem-based question (Answer any two out of three) (2 x 5 marks)	
a)		
b)		
c)		
Q 8	Objective Type (Selection / Supplied) (5 x 1 mark)	
a)		
b)		
c)		
d)		
e)		

Registration no:

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Total Number of Pages: (XX)		Course: BASLP		
SUB_CODE:				
(---th) Year Regular / Back / Supplementary Examination: 20				
SUBJECT NAME:				
BRANCH:				
Max Time: 1 ½ Hours	Sitting: 1st 10.00 AM to 11.30 AM			
Max Marks: 50				
Q. CODE: (To be allotted by the University)				
All Questions are compulsory. Illustrate answer with diagrams wherever relevant / required				
The figures in the right-hand margin indicate marks.				
Q 1	Long Answer Question (Answer any one out of two)			
a)				
b)				
Q 2	Long Answer (Case Study) (Answer any one out of two)			
a)				
b)				
Q3	Short Answer Questions (Focused)			
a)				
b)				
c)				
Q 4	Objective Type (Selection / Supplied)			
a)				
b)				
c)				
d)				
e)				

