DPU

Dr. D. Y. PATIL VIDYAPEETH, PUNE (Deemed to be University)

Syllabus for PG Surgical Specialties

2014 - 15 (Amended / Revised upto July 2019)

Dr. D.Y. PATIL VIDYAPEETH, PUNE

(Deemed to be University)

(Re-accredited by NAAC with a CGPA of 3.62 on a four point scale at 'A' Grade) (An ISO 9001 : 2015 Certified University)

Registrar

Ref. No. : DPU/875-Vii/20)9 : 11/09/2019

NOTIFICATION

Whereas in pursuance of the following decisions taken by the Board of Management, it is hereby notified to all concerned that the "Syllabus for PG Medical and Surgical Specialties - 2014-15" is revised upto July 2019 and hereby published.

- Changes in syllabus for UG and PG in General Medicine, Pulmonary Medicine and General Surgery vide Resolution No. BM-07-(iii)-4 dated 28th January, 2014.
- Updation in UG and PG syllabus of General Medicine, Obstetrics & Gynecology, Orthopedics, Anaesthesiology, ENT and Ophthalmology vide Resolution No. BM-04(i)-15, dated 31st March, 2015.
- Modifications in pattern of PG practical examinations for MD (General Medicine), MD (Pediatrics), MS (General Surgery), and MS (OBGY) vide Resolution No. BM-26(iv)-15, dated 29th December, 2015.
- Updation in PG syllabus in Radio-Diagnosis subject vide Resolution No. BM-26(vii)-15, dated 29th December, 2015.
- Introduction of Bioethical aspects in various chapters of all subjects vide Resolution No. BM-26(xi)-15, dated 29th December, 2015
- > Partial Modifications in Pattern of PG Practical Examinations for MD (General Medicine) and MS (General Surgery) vide Resolution No. BM-17(vii)-16, dated 22nd September, 2016.
- Modifications in the syllabus of MD (Emergency Medicine) vide Resolution No. BM-35(iv)-18, dated 12th October, 2018.
- Changes in teaching and assessment of MS (Ophthalmology), vide Resolution No. BM-35(v)-18, dated 12th October, 2018.
- Changes in the practical examination pattern of M.S. (Orthopedics) vide Resolution No. BM-35(vi)-18, dated 12th October, 2018.
- > Change in practical examination pattern of MD (Dermatology) vide Resolution No.BM-35(vii)-18, dated 12th October, 2018.
- Graduate Attributes, Programme Outcomes (POs), Course Outcomes (Cos) and gap analysis for all courses of UG and PG Programmes for Para-Clinical and Surgical Subjects vide Resolution No. BM-10(vii)-19 dated, 12th April, 2019.
- Interdisciplinary subjects (for Surgical Subjects) of M.B.B.S, M.D./M.S. and Super-specialty (D.M./M.Ch.) Programs under the Faculty of Medicine vide Resolution No. BM-10(viii) dated 12th April, 2019.
- > Changes in syllabus of MD (General Medicine) and MD (Psychiatry) vide Resolution No. BM-27(iv)-19 dated 30th July, 2019.
- Modifications in MD (Respiratory Medicine) Practical examination pattern vide Resolution No. BM-27(vii)-19 dated 30 July 019.

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PIMPRI PUNE-18.



- > Graduate Attributes, Programme Outcomes (POs), Course Outcomes (Cos) outcome analysis of Pos and Cos and mapping with objectives for all courses of UG and PG Programmes of Pre-Clinical and Medicine Subjects under the Faculty of Medicine vide Resolution No. BM-27(x)-19 dated 30th July, 2019.
- Interdisciplinary subjects (for Medicine Subjects) of M.B.B.S, M.D./M.S. and Super-specialty (D.M./M.Ch.) Programs under the Faculty of Medicine vide Resolution No. BM-27(xi) dated 30th July, 2019.

The Syllabus for PG Medical and Surgical Specialties - 2014-15" is Revised upto July 2019 will be useful to all the concerned. This will come into force with immediate effect.



(Dr. A. N. Suryakar) Registrar

Copy to:

- 1. PS to Chancellor for kind information of Hon'ble Chancellor, Dr. D. Y. Patil Vidyapeeth, Pune.

 2. PS to Vice Chancellor for kind information of Hon'ble Vice Chancellor,

 Dr. D. Y. P Dr. D. Y. Patil
- Vidyapeeth, Pune.

 3. The Dean, Dr. D. Y. Patil Medical College Hospital & Research Centre, Pimpri, Pune

 4. The Controller of Examinations, Dr. D. Y. Patil Vidyapeeth, Pune.
- 5. Director (IQAC), Dr. D. Y. Patil Vidyapeeth, Pune.
- 6. Web Master for uploading on Website.

MAPPING OF PROGRAMME OUTCOMES [POs] AND COURSE OUTCOMES [COs] OF PG PROGRAMMES

MS (SURGERY) PROGRAMME OUTCOMES

Sr.	By the end of the programme, the Medical Postgraduate Will
No	have
PO 1	Knowledge and Skills
PO 2	Planning and problem solving abilities
PO 3	Communication
PO 4	Research Aptitude
PO 5	Professionalism and Ethics
PO 6	Leadership
PO 7	Societal Responsibilities
PO 8	Environment and Sustainability
PO 9	Lifelong Learner

SURGERY COURSE OUTCOME – PG SUBJECT CODE –PGS01

Sr.No	By the end the Course, the student will be able to		
1	Recognize the importance to the concerned surgery in the contex		
	of the health needs of the community and the national priorities in		
	the health section.		
2	Practice the surgery concerned ethically and in step with the		
	principles of primary health care.		
3	Demonstrate sufficient understanding of the basic sciences		
	relevant to the surgery specialty.		
4	Identify social, economic, environmental, biological and		
	emotional determinants of health in a given case, and take them		
	into account while planning therapeutic, rehabilitative, preventive		
	and primitive measure/strategies.		
5	Diagnose and manage majority of the conditions in the surgery		
	concerned on the basis of clinical assessment, and appropriately		
	selected and conducted investigations.		
6	Plan and advise measures for the prevention and rehabilitation of		
	patients suffering from disease and disability related to the		
	surgery specialty.		
7			
	well as morbidity and mortality rate relevant to the assigned		
	situation.		
8	Demonstrate empathy and humane approach towards patients an		
	their families and exhibit interpersonal behavior in accordance		
	with the societal norms and expectations.		
9	Play the assigned role in the implementation of national health		
	programme, effectively and responsibly.		
10	Organize and supervise the chosen/assigned health care services		
	demonstrating adequate managerial skills in the clinic/hospital or		
	the field situation		
11	Develop skills as a self-directed learner, recognize continuing		
	education needs; select and use appropriate learning resources		
12	Demonstrate competence in basic concepts of research		
	methodology and epidemiology and be able to critically analyze		
4.5	relevant published research literature.		
13	Develop skills in using educational methods and techniques as		
	applicable to the teaching of medical/nursing students, general		
	physicians and paramedical health workers.		
14	Function as an effective leader of a health team engaged in health		
	care, research or training.		

MS ENT PROGRAMME

Course Code	Course Title
PGS 06	MS ENT

Course 1 (Subject Code)

CO No.	At the end of the course, the learner should be able to:	Mapped Programme Outcomes
PGS06.1	To obtain adequate /knowledge in basic	PO1, PO2, PO3,
	Sciences like embryology,	PO5, PO6, PO7,
	Anatomy, Physiology, Biochemistry,	PO8, PO9
	Micro-biology, Pharmacology and	
	General Surgical principles related to	
	Oto- Rhino-Laryngology.	
PGS06.2	To have proper understanding of patho-	PO1, PO2, PO3,
	physiology of most of the illnesses related	PO4, PO5, PO6,
	to the specialty.	PO7, PO8, PO9
PGS06.3	To recognize and properly diagnose the	PO1, PO2, PO3,
	ailments pertaining to ENT and also other	PO4, PO5, PO6,
	common health problems of community.	PO7, PO8, PO9
PGS06.4	He/ she should gain adequate skills to	PO1, PO2, PO3,
	individually manage ENT diseases both	PO4, PO5, PO6,
	medically and surgically as per the need.	PO7, PO8, PO9
PGS06.5	They should manage all kinds of	PO1, PO2, PO3,
	emergencies in Oto-Rhino-Laryngology,	PO5, PO6, PO7,
	head and neck independently keeping in	PO9
	the mind the Limitations existing in his place of work.	
PGS06.6	They should be able to perform common	PO1, PO2, PO3,
	audio –vestibular tests like Pure Tone	PO5, PO6, PO7,
	Audiometry, Impedence Audiometry, BERA,	PO8, PO9
	Cold Caloric Test Positional tests, etc.	
PGS06.7	He/she should learn basic methodology in	PO1, PO2, PO3,
	teaching medical and paramedical	PO4, PO5, PO7,
	students in productive manner.	PO8, PO9
PGS06.8	He/she should keep a track of current	PO1, PO2, PO3,
	developments in the field of ENT.	PO4, PO5, PO6,
	They should be able to conduct research	PO8, PO9
	works, keep proper records and prepare	
	reports and presentations of the same.	

E.N.T. (Otorhinolaryngology)

E.N.T. (OTORHINOLARNOLOGY)

1) GOALS:

- i) To train the student to treat all ENT diseases without any complications.
- ii) To make him/ her nice human being; to be able to treat the patient for a noble cause.

2) OBJECTIVES:

- **2.1 knowledge:** Knowledge of all diseases and operative procedures
- **2.2 Skill:** To teach him/ her all operative skill related to otorhinolaryngological diseases.

3) TRAINING PROGRAMME -

1) CRITERIA AND ELIGIBILITY FOR REGISTRATION:-

M.B.B.S. of this university or any equivalent examination recognized by M.C.I. and eligible through National Eligibility Entrance Teat.

2) PERIOD OF TEACHING:-

Six academic terms of six months each after registration as post graduate students for M.S course

3) NUMBER OF REGISTRATION PER UNIT:-

Ratio of recognized PG teacher to number of students be 1:1 (one student per teacher) not exceedingly more than three students in one unit in one academic year for M.S course.

4) TRAINING PROGRAMME:-

The training given with due care to the post graduate students in the recognized institutions for the award of ENT post graduate medical degree /diploma shall be determined by the expertise of the specialists.

All the candidates joining the post graduate training programme shall work as full time residents during the period of training, attending not less than 80% of the training during each calendar year and will be given full time responsibility, assignments and participations in all facets of the educational process.

The departments should submit the departmental programme at the beginning of each academic term to the coordination committee for approval.

The Dean will submit to the University the postgraduate programme of various departments, which shall be reviewed by the Board of studies in the subject concerned The Board of studies may address the faculty of medicine regarding improvements in the course of study and its implementation.

During the course of studies the department will arrange the training so that the student s should see large number of clinical cases, perform laboratory work so that at the end of the training period the student will acquire the knowledge and skills expected from a specialist in the speciality

The postgraduate students are required to keep record of their clinical, laboratory, operative work etc, counter- signed by teacher under whose guidance the work was done.

During the period of clinical training the postgraduate student should maintain regular contact with his thesis guide.

The postgraduate student should preferably be posted for two six months terms in the unit of his thesis so as to enable the postgraduate student to finalise his thesis work.

80% attendance in clinical posting is mandatory for grant of term.

The postgraduate student must keep record of work done. The head of the department is required to submit to the university through the dean six monthly report of the work of the candidate.

Every institution undertaking the post-graduation training programme shall set up an academic cell or a curriculum committee under the chairmanship of a senior faculty member, which shall work out the details of the training programme in each specially in consultation with other department faculty staff and also coordinate and monitor the implementation of these training programme.

The training programmes shall be updated as and when required. The structured programme shall be written up and strictly followed to enable the examiners to determine the training undergone by the candidates and the Medical Council of India inspectors to assess the same at the time of inspection.

Postgraduate students shall maintain a record logbook of the work carried out by them and the training programme undergone during the period of training including details of surgical operations assisted or done independently by the candidate.

During the training for degree to be awarded in clinical disciplines, there shall be proper training in basic medical science related to disciplines conserd. In all post graduate training programmes both clinical and basic medical science, emphasis is to be laid on preventive and social aspects and Emergency care. Facilities for autopsies, biopsies, cytopsies, endoscopic and imaging etc. also be made available for training purpose.

The postgraduate students shall be required to participate in the teaching programmes of undergraduate student and interns.

Training in medical audit, management, Health economy, and health information system, basic of statistics, exposure to human behavior; pharmaco-economics and introduction to non-linear mathematics shall be imparted to the postgraduate students.

ACADEMIC YEAR AND TERMS:

The academic year for Post-Graduate medical courses will start on 1st May and end on 30th April. It will have two academic terms.

I Term: 1st May to 31st October.II Term: 1st November to 30th April.

GRANTING OF TERMS:-

A student will be granted a term provided he puts in 80% attendance during the term. The scale of leave of all types is 10 days per term.

The university will not-allow a student to continue the postgraduate course on the strength of his past registration. Past registration implies the maximum period of two years after the completion of terms the past registration should be treated as lapsed. Such a student desiring to prosecute his postgraduate studies be advised to register his name afresh. In that case, the student will not get any concession in the terms.

As regard the dissertation subject if a guide of the student is prepared to guide him on his previous topic, the student may be permitted to do the fresh registration with previous topic.

In case a candidate registers his name for the post graduate degree course and then leaves the course on medical grounds, the six months gap be allowed and in that case and student may be permitted to continue his studies, on compassionate grounds on the recommendation of the guiding teacher and the Dean of the of the college.

Condition of Registration – Before cancellation of registration on account of the adverse progress report the University should get recommendation

of guiding teacher, duly endorsed by the Head of the Department and the Dean of the college and the dean of the Faculty.

Institution and the Dean of Faculty of medicine may not grant that particular term and the period of training will be extended by the number of terms not granted.

If there is minor change in the topic of dissertation the same be allowed at any time.

However, if there is major change the student may be allowed to change without keeping additional terms provided there is an interval of three clear terms between the date of application and the date of examination.

Lectures, seminars tutorials, journal clubs, etc to keep the students abreast of the latest developments in the theoretical aspect of the subject 80% attendance in these is mandatory for grant of terms

The head of the institution will submit to the University six monthly report of satisfactory/ unsatisfactory progress of training of postgraduate students.

An unsatisfactory report needs due justification and should be endorsed to the student concerned. On basis of an unsatisfactory report the University may cancel the term.

POSTGRADUATE TEACHER:

Teacher in Medical college/ institution, who possess a total of eight years teaching experience out of which at least five teaching experience as assistant professor/ Lecturer gained after obtaining pg Degree shall be recognized as postgraduate teacher.

In case of teacher in the Armed Forces medical college, teaching experience will be computed in terms of University of Pune latter No BUTR/R-34/4257 dated 17/20 February 1970 which lays down, An officer who is a classified specialist of more than two years standing and has obtained postgraduate degree four years earlier is given a credit of six years teaching experience. In addition if he has worked in any of the hospitals recognized for postgraduate training by the University of Pune after fulfilling the above requirement the whole period so spend will be considered as additional teaching experience.

Notwithstanding the teaching experience prescribed in the teachers eligibility qualification, in exceptional cases, where a candidate has worked in a Recognized Research institution or a medical college and has produced original research work of a very high quality recognized as

original scientific contribution at a national and /or international level this may also be considered and such research experience may be counted as equivalent to teaching experience provided other conditions are fulfilled.

If a postgraduate teacher or a co-guide supervising the research work of student is transferred or retires when the research work is nearly completed and the thesis is in the process of finalization of a candidate in the 5th and 6th term of the M.S course the postgraduate guide and the coguide can continue to guide such a student and sign the certificate on specific approval by the University.

Students being guided by a guide who are in the first to fourth term of their studies will have to be transferred to new guide. To maintain the teacher student ratio at 1:1, the new guide will not register a new student in the next or the next two terms as applicable. (As per MCI Guidelines)

A postgraduate teacher guiding Ph. D thesis can continue to guide the research work of a candidate up to the age of 70 years. Other postgraduate teacher shall ceases to be a postgraduate teacher on attaining the age of 65 years. (As per MCI Guidelines)

METHOD OF TRAINING:

The training of postgraduate for degree should be of the residency pattern with patient care. Both the in service candidates and the stipenderis should be given similar clinical responsibility. The participation of the students in all facets of the educational process should be insisted upon and training in basic medical science and laboratory and experimental work emphasized. In Basic science adequate number of training posts of Demonstrator, Tutors, etc. should be provide for

MASTER OF SURGERY IN E.N.T. - M.S (E.N.T.)

Basic Medical Science- lectures, seminars, Journal clubs, Group Discussion, case presentations, participation in laboratory and experimental work and involvement in research studies in the concerned speciality and exposure to the applied aspects of the subject relevant to clinical specialties.

Clinical Disciplines- in service training with the students being given graded responsibility in the management and treatment of patients entrusted in the in the management and treatment of patients entrusted in the management and treatment of patients entrusted to their care; participation in seminars, Journal, clubs Group Discussions, clinical meetings, grand rounds and Clinico-Pathological Conferences practical training in Diagnosis and medical and Surgical treatment; in the Basic Medical Sciences as well as in allied clinical specialties.

THESIS / DISSERTATION

AIMS:

Work of writing the thesis is aimed at contributing to the development of a spirit of enquiry besides exposing the candidate to the techniques of research, critical analysis, acquaintance with the latest advances in medical sciences and the manner of identifying and consulting available literature.

OBJECTIVES:

The candidate should be able to carry out research work under guidance and present his /her inference in a scientific, logical manner and maintain a statistical record of the same, which will help him/ her in future clinical practice.

GENERAL GUIDELINES:

The thesis/ dissertation is compulsory for candidates registered for M.S and should include candidate's own work under a supervisor qualified for the purpose and recognized as a post graduate teacher by the University.

The subject of thesis - A synopsis (about 200 words) should be countersigned by the postgraduate teacher, Head of the department and Head of the institution. It should be submitted to the University within four months of registration as postgraduate students. A penalty of Rs. 50/- will be levied for submission after the due date.

The subject and plan of work of the thesis should not be same as that of a thesis which has been accepted by the University in the past three years.

If a work required for the thesis entails collaboration with other department or specialties, the collaboration portion of work will be supervised by a co-guide designated by the head of the institution. A co-guide should normally be a postgraduate teacher in his own speciality, however workers who have specialized in a particular field may be designated as co-guide for a thesis.

The head of the institution will submit to the University six monthly report of satisfactory/unsatisfactory progress of training of a postgraduate student.

An unsatisfactory report needs due justification and should be endorsed to the student concerned. On basis of an unsatisfactory report the University may cancel the term.

The thesis shall be examined by a minimum of three examiners one internal and two external one in examiners who shall not be the examiners for theory and clinical and on the acceptance of the thesis by two examiners the candidate shall appear for the final examination

In the thesis the candidate will not disclose his identity of the guide or institution in any way.

If a student has submitted his examination form and also his thesis previously, he will be permitted to take the examination within a period of four year any time in future provided the thesis has been accepted.

The terms satisfactorily kept by him are valid in future only for a period of four years subsequent to submission of thesis after which he will have to undergo postgraduate training again for four terms to be eligible for appearing for the theory clinical and practical examination.

SYLLABUS FOR POST GRADUATION COURSE OF M.S. (E.N.T) EAR

- 1. Anatomy of External ear and middle ear
- 2. Anatomy of internal ear
- 3. Physiology of hearing
- 4. Physiology of equilibrium
- 5. Radiology of ear
- 6. Disease of external ear
- 7. Ear trauma
- 8. Acute suppurative otitis media and its management
- 9. Chronic suppurative otitis media and its management
- 10. Intra cranial complication of CSOM
- 11. Extra cranial complication of CSOM
- 12. Otalgia
- 13. Otosclerosis
- 14. Conductive deafness
- 15. Sensorineural deafness
- 16. Vertigo & tinnitus
- 17. Secretory otitis media, Adhesive otitis media, tympanosclerosis
- 18. Meniere's disease

- 19. Ototoxicity
- 20. Vestibular schwannoma.
- 21. Glomus tumour of ear
- 22. Disorders of facial
- 23. Cochlear implants, hearing aids
- 24. Pure tone & impedance Audiometry, BE R A, assessment of deaf child.

NOSE

- 1. Anatomy of nose and paranasal sinuses
- 2. Physiology of respiration
- 3. Physiology of olfaction
- 4. Acute Rhinitis & chronic rhinitis
- 5. Allergic rhinitis and vasomotor rhinitis
- 6. Acute sinusitis
- 7. Chronic sinusitis
- 8. Complication of sinusitis
- 9. Epistaxis
- 10. Nasal polyps
- 11. Deviated nasal septum
- 12. Granulomatous diseases of nose and atrophic rhinitis.
- 13. Rhinometry and nasal challenge.
- 14. Tumour of nose and paranasal sinuses.
- 15. Nasal endoscopy and FESS.
- 16. Sleep apnoea and snoring.
- 17. Nasopharyngeal angiofibroma.

THROAT

- 1. Anatomy of pharynx, physiology of deglutition.
- 2. Oral cavity and its diseases.
- 3. Acute and chronic infection of pharynx and tonsil.
- 4. Pharyngeal pouches.
- 5. Malignancies of pharynx and nasopharynx
- 6. Ulcerations in pharynx.

LARYNX, TRACHEA AND OESOPHAQUS

- 1. Anatomy of larynx, trachea and bronchus and oesophagus
- 2. Physiology of phonation
- 3. Acute and chronic laryngitis
- 4. Voice disorders. vocal cord paralysis, thyroplasties
- 5. Carcinoma of larynx and other tumours.
- 6. Management of obstructed airway and tracheostomy.
- 7. Trauma and stenosis of larynx and trachea
- 8. Dysphagia and carcinoma of oesophagus
- 9. Bronchoscopy and oesophagoscopy

HEAD AND NECK SURGERY

- 1. Neck spaces and triangles
- 2. Benign diseases of neck
- 3. Metastatic neck disease and neck dissection
- 4. Thyroid gland and its diseases
- 5. Salivary glands- non- neoplastic diseases and benign tumours
- 6. Salivary gland malignancies
- 7. Tumours if infratemporal fossa and Parapharyngeal space
- 8. Cyrsts ,grannulomas and tumours of jaw
- 9. LASER's in ENT

PROPOSED PATTERN OF EXAMINATION FOR PG DEGREE (MS – ENT)

For postgraduate degree programme in ENT the overall evaluation of the students will consist of preliminary examination and final (University) examination.

1.1 PRELIMINARY EXAMINATION

Preliminary examination shall be conducted by the college at the end of 33 months after registration. This examination shall be conducted as a "Mock Final". Only those candidates who pass this examination will be permitted to appear for the final examination.

1.2 FINAL EXAMINATION

There shall be final examination at the end of three years. This examination will be conducted by the university.

1.3 TOTAL MARKS FOR PRELIMINARY EXAMINATION AND FINAL EXAMINATION -

Both the preliminary examination and final examination will carry marks as follows.

Theory: 400 marks
Practical: 400 marks
Total: 800 marks

1.4 PATTERN OF PRELIMINARY AND FINAL (UNIVERSITY) EXAMINATIONS:

1.4.1 NOMENCLATURES OF THEORY PAPERS FOR MS - ENT

There will be four papers as follows:

Paper- I: Basic Sciences relating to ENT

Paper- II: Ear

Paper- III: Throat and Head and Neck surgery Paper- IV Nose and recent advances in ENT

1.4.2 PATTERN FOR THEORY PAPERS

There will be four theory papers of 100 marks each. All the papers will be of 3 hours duration and will have the following pattern -

Each paper will have two sections:

Section A Two LAQs of 25 marks each Section B Five SAQs of 10 marks each Section A + Section B - 50 + 50 = 100 marks

1.4.3 PATTERN FOR PRACTICAL EXAMINATION

Long Case (1) 150 marks
Short Case (1) 75 marks
OSCE 75 marks
Table Viva (4 tables) 100 marks
Total 400 marks

THE TABLE VIVA WILL COMPRISE OF FOUR TABLES OF 25 MARKS EACH

Table 1: Instruments

Table 2: X-rays and CT scans

Table 3: Audiometry

Table 4: Specimens and osteology

PROPOSED PATTERN OF EXAMINATION FOR PG DIPLOMA

(**DLO**) For postgraduate degree programme in ENT the overall evaluation of the students will consist of preliminary examination and final (University) examination.

1.1 PRELIMINARY EXAMINATION

Preliminary examination shall be conducted by the college at the end of 33 months after registration. This examination shall be conducted as a "Mock Final". Only those candidates who pass this examination will be permitted to appear for the final examination.

1.2 FINAL EXAMINATION

There shall be final examination at the end of three years. This examination will be conducted by the university.

1.3 TOTAL MARKS FOR PRELIMINARY EXAMINATION AND FINAL EXAMINATION

Both the preliminary examination and final examination will carry marks as follows.

Theory: 300 marks
Practical: 300 marks

Total: 600 marks

1.4 PATTERN OF PRELIMINARY AND FINAL (University) EXAMINATIONS:

1.4.1 NOMENCLATURES OF THEORY PAPERS FOR DLO

There will be three papers as follows:

Paper- I: Ear Paper- II: Nose

Paper- III: Throat and head and neck

1.4.2 PATTERN FOR THEORY PAPERS

There will be three theory papers of 100 marks each. All the papers will be of 3 hours duration and will have the following pattern -

EACH PAPER WILL HAVE TWO SECTIONS:

Section A Two LAQs of 25 marks each Section B Five SAQs of 10 marks each Section A + Section B - 50 + 50 = 100 marks

1.4.3 PATTERN FOR PRACTICAL EXAMINATION

Long Case (1) - 100 marks

Short Cases (2) - 100 marks (50x2)

Table Viva (4 tables) - 100 marks **Total** - **300 marks**

THE TABLE VIVA WILL COMPRISE OF FOUR TABLES OF 25 MARKS EACH

Table 1: Instruments

Table 2: X-rays and CT scans

Table 3: Audiometry

Table 4: Specimens and osteology