



स्वामी राम हिमालयन विश्वविद्यालय Swami Rama Himalayan University

Methods of assessment of learning outcomes and graduate attributes of various programmes running in different academic units of the University

Methods of the assessment of Learning Outcomes and Graduate Attributes

Competency Based UG and PG Medical Training programmes

Program	Programme Outcomes/Learning Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
Himalayan Institute of Medical Sciences				
MBBS	PO1: Clinician, who understands and provides preventive, promotive, curative, palliative and holistic care with compassion.	Knowledge, Skills and Attitude	Lecture, Case Based Learning, Role Play, Project, Conferences, Workshop, Demonstration, SDL, Peer assisted learning	Theory & Practical Examinations, Quiz, OSPE, OSCE
	PO2: Leader & member of health care system.	Leadership skills	Individual / Group Project, Conferences, Workshop Role Play,	Theory & Practical Examinations,
	PO3: Communicator with patients, families, colleagues, and community.	Communication	Role Play, Project, Conferences, Workshop, Family visits under the Family adoption program	Practical Examinations, OSPE, OSCE
	PO4: Lifelong learner committed to continuous improvement of skills and knowledge.	Lifelong Learner	Attending CMEs, Presenting in Scientific Forum Short Term Courses	Theory & Practical Examinations, Quiz, OSPE, OSCE
	PO5: Professional, who is committed to excellence, is ethical, responsive and accountable to patients, community and the profession.	Professional	Interactive Guest Lectures Workshops Seminars	Theory & Practical Examinations, OSPE, OSCE



Program	Programme Outcomes/Learning Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
Himalayan Institute of Medical Sciences				
MD-Anatomy	PO1: Anatomist having adequate knowledge of Gross, microscopic, radiological anatomy, surface marking, development of structures of the human body and genetics.	Knowledge, Skills and Attitude	Lecture, Case Based Learning, Role Play, Project, Conferences, Workshop, Demonstration, SDL, Peer assisted learning	Theory & Practical Examinations, Quiz, OSPE, OSCE
	PO2: Expert in dissection, embalming, tissue preparation and staining and museum skills.	Expertise in dissection skills	Dissection on cadaver, Clinical Case study	Practical / Clinical/ Viva Voce
	PO3: Researcher having adequate skills in research methodology.	Researcher	Short Synopsis, Research Project	Thesis Presentation
	PO4: Professional who is committed to excellence, is ethical, responsive and accountable to the community and the profession.	Professional	Attending CMEs, Presenting in Scientific Forum Self- directed learning	Theory & Practical Examinations, OSPE, OSCE
	PO5: Competent teacher of anatomy practicing different methods of teaching - learning.	Competent teacher	Micro Teaching to assess teaching ability, Guest Lectures, Seminars	Theory & Practical Examinations, Quiz, OSPE, OSCE



Program	Programme Outcomes/Learning Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
Himalayan Institute of Medical Sciences				
MD-Anatomy	PO6: Analyzer and Problem solver with respect to anatomical basis of clinical case scenarios.	Knowledge, Skills and Attitude	Case Discussions Seminar	Theory & Practical Examinations, Quiz, OSPE, OSCE
	PO7: Recent advances in stem cells technology, cryobanking and principles of organ donation from recently procure dead bodies	Recent Advances in stem cells technology	Journal based / recent advances learning, Case Discussions, Interdepartmental case or seminar	Theory & Practical Examinations, Quiz, OSPE, OSCE
MD-Anaesthesiology	PO1: Competent Clinician who can render services in basic as well as advanced settings that will enable them to practice anaesthesiology independently in broad specialities with adequate knowledge and gain exposure in super specialities	Competent Clinician with Knowledge, Skills and Attitude	Lecture, Journal based / recent advances learning,	Theory & Practical Examination, Day to day assessment
	PO2: Perioperative Physician with appropriate organizational and communication skills to function in a group as a leader in OR/ICU and member of hospital cardiopulmonary resuscitation committee who can organize and conduct the Hospital resuscitation practices.	Communicator & Leader in OR/ICU	Patient based/Laboratory or Skill based learning	Practical / Clinical & viva examination OSPE, OSCE



Program	Programme Outcomes/Learning Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
Himalayan Institute of Medical Sciences				
MD- Anaesthesiology	PO3: Researcher who can conduct collaborative research in the field of Anaesthesiology and its sub specialities and develop skills for self directed learning and critical appraisal of medical literature	Researcher Oriented	Journal clubs, Self-directed learning and teaching, Thesis / Research work	Practical Examinations Viva Voce
	PO4: Communicator who can teach students effectively about the subject and should be familiar with various teaching and training methods	Communicator Teaching ability	Lecture, Case Based Learning, Role Play, Conferences, Workshop, External and Outreach Activities	Practical Examinations, OSCE, OSPE
	PO5: Efficient Professional who can execute communication with stake holders of health care system and identify needs of patients and society and provide cost effective care	Efficient professional	Attending CMEs, Health Education	Practical Examinations, OSCE, OSPE
MD- Biochemistry	PO1: Clinician who understands & provides holistic care	Knowledge, Skills and Attitude	Lecture, Case Presentation / Case work up	Theory & Practical Examinations, Short notes, Structured Essay & Viva- Voce
	PO2: Leader & member of health care system.	Leadership skills	Individual / Group Project, Conferences, Workshop Role Play	Practical Examinations



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Program	Programme Outcomes/Learning Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
Himalayan Institute of Medical Sciences				
MD- Biochemistry	PO3: Communicator with patients, families, colleagues, community	Communication	Role Play, Project, Conferences, Workshop,	Practical Examinations,
	PO4: Lifelong learner	Lifelong Learner	Journal Club, Attending CMEs, Presenting in Scientific Forum Short Term Courses	Theory & Practical Examinations, OSPE, OSCE
	PO5: Professional commitment to ethical excellence	Professional	Interactive Guest Lectures Workshops Seminars	Theory & Practical Examinations, Quiz, OSPE, OSCE
MD- Community Medicine	PO1: Clinician, who understands and provides preventive, promotive, curative, palliative and holistic care with compassion.	Knowledge, Skills and Attitude	Lectures/Discussion Medico social case presentation, Role Play, Project, Conferences, Workshop, Demonstration, SDL	Theory & Practical Examinations, OSPE, OSCE, Viva Voce
	PO2: Leader & member of health care system.	Leadership skills	Individual / Group Project, Conferences, Workshop Role Play,	Theory & Practical Examinations
	PO3: Communicator with patients, families, colleagues, and community.	Communication	Role Play, Project, Conferences, Workshop, Family visits under the Family adoption program	Theory & Practical Examinations, Quiz, OSPE, OSCE



Program	Programme Outcomes/Learning Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
Himalayan Institute of Medical Sciences				
MD- Community Medicine	PO4: Lifelong learner committed to continuous improvement of skills and knowledge.	Lifelong Learner	Journal club Attending CMEs, Presenting in Scientific Forum	Theory & Practical Examinations, OSPE, OSCE
	PO5: Professional, who is committed to excellence, is ethical, responsive and accountable to patients, community and the profession.	Professional	Interactive Guest Lectures Workshops Seminars	Theory & Practical Examinations, OSPE, OSCE
MD-Dermatology, Venereology and Leprosy	PO1: Be a clinician, who understands and provides preventive, promotive, curative, palliative and holistic care with compassion.	Knowledge, Skills and Attitude	Lectures/Discussion, Case presentation, Role Play, Project, Conferences, Workshop, Demonstration,	Theory & Practical Examinations, OSPE, OSCE, Viva Voce
	PO2: Be a leader and member of the health care team and system.	Leadership skills	Individual / Group Project, Conferences, Workshop Role Play,	Practical Examinations, OSPE, OSCE, Viva Voce
	PO3: Be a communicator with patients, families, colleagues and community.	Communication	Role Play, Project, Conferences, Workshop	Practical Examinations, OSPE, OSCE, Viva-Voce
	PO4: Be a lifelong learner committed to continuous improvement of skills and knowledge.	Lifelong Learner	Journal club , Thesis and Research Projects, Attending CMEs,	Practical Examinations, OSPE, OSCE, Viva Voce,
	PO5: Be a professional who is committed to excellence, is ethical, responsive and accountable to community and the profession.	Professional	Guest Lectures Workshops, Seminars E-learning activities, Clinical meetings	Theory & Practical Examinations



Program	Programme Outcomes/Learning Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
Himalayan Institute of Medical Sciences				
MD-Emergency Medicine	PO1: To understand the fundamental skills and principles of Emergency Medicine, knowledge of the relevant basic medical and para-clinical subjects as applied to the practice of Emergency Medicine.	Knowledge, Skills and Attitude	Lecture, Case Based Learning, Project, Conferences, Workshop, Demonstration, SDL, Peer assisted learning	Theory & Practical Examinations, Quiz, OSPE, OSCE
	PO2: To be able to diagnose common clinical problems in Emergency Medicine and allied specialties, take evidence-based treatment decisions and prescribe medication in a rational, thoughtful, and safe manner, be able to manage all types of emergencies and carry out independently a variety of medical procedures in Emergency medicine and competently handle resuscitation of the patients.	Diagnosis Ability	Individual / Group Project, Conferences, Workshop Role Play, Case presentation,	Practical Examinations
	PO3: To be familiar with the current developments in Emergency Medicine sciences, medico-legal aspect and patient counselling and use the principles of scientific inquiry in writing and interpreting the medical literature	Current Development In emergency Medicine	Role Play, Project, Conferences, Workshop, Family visits under the Family adoption program	Theory & Practical Examinations, Quiz, OSPE, OSCE
	PO4: To be able to plan research project and educational programs in Emergency Medicine in association with senior colleagues and be familiar with the modern methods of research, teaching, and evaluation.	Lifelong Learner	Journal club, CME, Seminar, SDL. Attending CMEs, Presenting in Scientific Forum Short Term Courses	Theory & Practical Examinations, Quiz, OSPE, OSCE



Program	Programme Outcomes/Learning Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
Himalayan Institute of Medical Sciences				
MD-Emergency Medicine	PO5: Demonstrate interpersonal skills and communication and demonstrate professionalism in the form of a respectful attitude toward both patients and professional colleagues, an ethically sound approach to the practice of Emergency Medicine and sensitivity to cultural, age, gender, and disability-associated differences.	Communication Professional	Lecture, Case Based Learning, Role Play, Project, Conferences, Workshop, Demonstration, SDL, Peer assisted learning	Theory & Practical Examinations, Quiz, OSPE, OSCE
MD-General Medicine	PO1: Clinician, who understands and provides preventive, promotive, curative, palliative and holistic care with compassion.	Knowledge, Skills and Attitude	Ward Rounds Lectures/Discussion, Case presentation, Conferences, Workshop, Demonstration,	Theory & Practical Examinations, OSPE, OSCE, Viva Voce
	PO2: Leader and member of the health care team and system.	Leadership skills	Individual / Group Project, Conferences, Workshop Role Play	Practical Examinations
	PO3: Communicator with patients, families, colleagues and community.	Communication	Role Play, Project, Conferences, Workshop	Theory & Practical Examinations, OSPE, OSCE
	PO4: Lifelong learner committed to continuous improvement of skills and knowledge.	Lifelong Learner	Journal club Attending CMEs, Presenting in Scientific Forum SDL	Theory & Practical Examinations, OSPE, OSCE
	PO5: Professional who is committed to excellence, is ethical, responsive and accountable to patients, community and the profession	Professional	Interactive Guest Lectures Workshops Seminars	Theory & Practical Examinations, OSPE, OSCE



Program	Programme Outcomes/Learning Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
Himalayan Institute of Medical Sciences				
MD-Microbiology	PO1: Clinical microbiologist who can render services in basic as well as advanced laboratory investigations	Knowledge, Skills and Attitude	Lecture, Seminar, Slide presentation Laboratory or Skill based learning, clinical case scenario	Theory & Practical Examinations, Day to day assessment, OSPE, OSCE Viva-Voce
	PO2: Leader & member of health care system	Leadership skills	Ward Rounds, External and Outreach Activities	Theory & Practical Examinations
	PO3: Communicator with patients, families, colleagues, community	Communication	Role Play, Conferences, Workshop,	Theory & Practical Examinations, OSPE, OSCE
	PO4: Lifelong Learner	Lifelong Learner	SDL, Attending CMEs, Presenting in Scientific Forum	Theory & Practical Examinations,
	PO5: Professional committed to excellence & ethical practices.	Professional	Interactive Guest Lectures Workshops Seminars	Theory & Practical Examinations,



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Program	Programme Outcomes/Learning Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
Himalayan Institute of Medical Sciences				
MD-Pediatrics	PO1: Acquires competencies relevant to all aspects of Paediatrics (newborn to adolescent) that are essential to function as a clinical expert in providing newborn and pediatric health services for the community at all levels and keeping with national health policy in a professional and ethical manner.	Clinical expert in providing newborn and pediatric health services in terms of Knowledge, Skills and Attitude	Lecture, Seminar, Ward Rounds, Clinical Case Presentation Group Discussions, SDL	Theory & Practical Examinations, Quiz, OSPE, OSCE Short notes Structured Essay Written/ viva voce
	PO2: Recognizes the holistic health needs of healthy neonates, infants, children, and adolescents	Skills in recognising holistic health needs of children	Independent Learning, Video Lectures, Seminars	Theory & Practical Examinations, OSCE, OSPE, DOPE
	PO3: Acquires skills in effectively communicating not only with the health team but with the child, family, and the community	Communication	Role Play, Project, Conferences, Workshop,	Theory & Practical Examinations,
	PO4: Is actively involved in keeping oneself up to date with scientific advances in Paediatrics and Medicolegal aspects of practice.	Advancement in Paediatrics and Medico legal aspects of practice.	Attending CMEs, Presenting in Scientific Forum	Practical Examinations Formative and Summative Assessment
	PO5: Is oriented to principles of research methodology enabling critical appreciation of published scientific evidence and contributing through scholarship	Research Oriented	Synopsis Preparation, Thesis Writing	Practical Examination Viva- Voce
	PO6: Acquires skills and understanding of dealing with health team members enabling optimizing system-based practice.	Health Care Team Member	Bedside Teaching, Focus Group Discussion	Sessional Examinations



Program	Programme Outcomes/Learning Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
Himalayan Institute of Medical Sciences				
MD- Pathology	PO1: Professional who can diagnose, interpret and correlate clinical and laboratory data to arrive at a diagnosis.	Knowledge, Skills and Attitude	Lecture, Case Presentation, Slide Seminar, Lab Demonstration, Gross Examination	Theory & Practical Examinations, Quiz, OSPE, OSCE
	PO2: Leader & member of health care team & system.	Leadership skills	Individual / Group Project, Conferences, Workshop, Role Play	Practical Examinations
	PO3: Communicator with patients, families, colleagues, and community.	Communication	Role Play, Project, Conferences, Workshop	Practical Examinations, OSPE, OSCE
	PO4: Lifelong learner committed to continuous improvement of skills and knowledge.	Lifelong Learner	Thesis writing , Attending CMEs, Clinico-Pathological Meet	Sessional Examinations
	PO5: Professional, who is committed to excellence, is ethical, responsive and accountable to patients, community and the profession.	Professional	Interactive Guest Lectures Workshops Seminars	Practical Examinations OSCE, OSPE



Program	Programme Outcomes/Learning Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
Himalayan Institute of Medical Sciences				
MD- Pharmacology	PO1: A Pharmacologist with expertise in basic and clinical pharmacology of drugs used in preventive, promotive, curative palliative & holistic care	Knowledge, Skills and Attitude	Lecture, Seminar Conference, Workshop, Demonstration, SDL, Patient based /Laboratory or Skill based learning	Theory & Practical Examinations, OSPE, OSCE Viva Voce
	PO2: Researcher Demonstrate research skills and acumen for conduct and publication of research	Leadership skills	Journal Club, Thesis Writing, Individual / Group Project, Experimental / Clinical Pharmacology exercise	Thesis Evaluation Formative and Summative Assessment
	PO3 Communicator with patients, families, colleagues and community	Communication	Role Play, Project, Conferences, Workshop,	Practical Examinations Formative and Summative Assessment
	PO4: Lifelong learner committed to continuous improvement of skill and knowledge	Lifelong Learner	Attending CMEs, Presenting in Scientific Forum Short Term Courses	Theory & Practical Examinations,
	PO5: Professional who is committed to excellence, is ethical, responsive, & accountable to patients, community, and the profession	Professional	Interactive Guest Lectures Workshops Seminars	Theory & Practical Examinations,



Program	Programme Outcomes/Learning Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
Himalayan Institute of Medical Sciences				
MD- Physiology	PO1: Clinician who understands and provides preventive, promotive, curative, palliative and holistic care with compassion.	Knowledge, Skills and Attitude	Lecture, Symposium Laboratory work / Bedside clinics, Practical demonstrations, DOAP	Theory & Practical Examinations, Quiz, OSPE, OSCE
	PO2: Leader and member of the health care team and system with capabilities to collect analyze, synthesize and communicate health data appropriately.	Leadership skills	Individual / Group Project, Conferences, Workshop,	Theory & Practical Examinations,
	PO3: Communicator with patients, families, colleagues and community.	Communication	Role Play, Debates,	Theory & Practical Examinations,
	PO4: Lifelong learner committed to continuous improvement of skills and knowledge.	Lifelong Learner	Journal Club, Attending CMEs, Presenting in Scientific Forum Research Project	Theory & Practical Examinations
	PO5: Professional, who is committed to excellence, is ethical, responsive and accountable to patients, community and profession.	Professional	Interactive Guest Lectures Workshops Seminars	Theory & Practical Examinations,



Program	Programme Outcomes/Learning Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
Himalayan Institute of Medical Sciences				
MD- Psychiatry	PO1: Clinician, who understands the relevance of mental health and should be able to identify the biological, psychological, social, environmental, economic and other determinants of mental health and should apply appropriate diagnostic, therapeutic and rehabilitative procedures to mentally sick patients.	Knowledge, Skills and Attitude	Lecture, Journal Club, Seminar, Clinical case Presentation Conferences, Workshop, Demonstration, Medico social case presentation	Theory & Practical Examinations, Quiz, OSPE, OSCE Sessional Examinations
	PO2: Leader and member of the health care team and system	Leadership skills	Clinical Meetings, Individual / Group Project, Conferences, Workshop, Role Play,	Theory & Practical Examinations,
	PO3: Communicator with patients, families, colleagues and community	Communication	Ward rounds, Role Play, Project, Conferences, Workshop,	Theory & Practical Examinations,
	PO4: Life-long learner committed to continuous improvement of skills and knowledge	Lifelong Learner	Attending CMEs, Presenting in Scientific Forum Short Term Courses	Theory & Practical Examinations,
	PO5: Researcher who plans and conducts experiments and analyses results, with the aim of increasing scientific knowledge in public health.	Researcher	Thesis Writing	Practical Examination
	PO6: Professional who is committed to excellence, is ethical, responsive and accountable to patients, community and the profession	Professional	Interactive Guest Lectures Workshops Seminars	Theory & Practical Examinations,



Program	Programme Outcomes/Learning Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
Himalayan Institute of Medical Sciences				
MD- Obstetrics & Gynecology	PO1: Clinical Obstetrician and Gynaecologist who can render services in basic as well as advanced areas of Obstetrics & Gynaecology	Knowledge, Skills and Attitude	Lecture, Seminar, Symposium, Journal Club, Case Discussion,	Theory & Practical Examinations, Quiz, OSPE, OSCE Viva Voce
	PO2: Leader & member of health care team and system	Leadership skills	Individual / Group Project, Conferences, Ward Rounds, Role Play,	Practical Examinations Formative and Summative Assessment
	PO3: Communicator with patients, families, colleagues, community	Communication	Role Play, Project, Conferences, Workshop,	Practical Examination Formative and Summative Assessment
	PO4: Lifelong Learner committed to continuous improvement of skills and knowledge	Lifelong Learner	Attending CMEs, Presenting in Scientific Forum Thesis Review	Theory & Practical Examinations,
	PO5: Professional who is committed to excellence, is ethical, responsive and accountable to patients, community and the profession	Professional	Guest Lectures Workshops Seminars	Theory & Practical Examinations,



Program	Programme Outcomes/Learning Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
Himalayan Institute of Medical Sciences				
MD- Radio-Diagnosis	PO1: Competent radiologist who guides and advice appropriate diagnostic modality.	Knowledge, Skills and Attitude	Lecture, Seminar, Quiz, Case Presentation, Conferences	Theory & Practical Examinations, Quiz, OSPE, OSCE
	PO2: Skilled investigator who can diagnose various disease.	Leadership skills	Case Presentation, Conferences	Practical examinations Formative and Summative Assessment
	PO3: A good Communicator with patients, families, colleagues, community	Communication	Role Play, Project, Conferences, Workshop,	Theory & Practical Examinations,
	PO4: Researcher and Lifelong Learner	Lifelong Learner	Journal Club, Thesis Writing	Practical Examinations Formative and Summative Assessment
	PO5: Professional committed to excellence and ethics	Professional	Attending CMEs, Presenting in Scientific Forum Guest Lectures	Theory & Practical Examinations,



Program	Programme Outcomes/Learning Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
Himalayan Institute of Medical Sciences				
MD- Respiratory Medicine	PO1: Clinician, who understands and provides preventive, promotive, curative, palliative and holistic care with compassion	Knowledge, Skills and Attitude	Lecture, Clinical Case Presentation, Seminar, Ward Rounds, Patient based /Laboratory or Skill based learning, Conferences	Theory & Practical Examinations, OSPE, OSCE, Viva voce
	PO2: Leader and member of the health care team and system	Leadership skills	External and Outreach Activities, Individual / Group Project, Ward Rounds, Conferences	Practical Examinations, Formative and Summative Assessment
	PO3: Communicator with patients, families, colleagues and community	Communication	Role Play, Project, Conferences, Workshop, Family visits under the Family adoption program	Practical Examinations Formative and Summative Assessment
	PO4: Lifelong learner committed to continuous improvement of skills and knowledge	Lifelong Learner	Attending CMEs, Clinico-radiological Conference, Clinico-Pathological Conference	Theory & Practical Examinations,
	PO5: Professional who is committed to excellence, is ethical, responsive and accountable to patients, community and the profession	Professional	Interactive Guest Lectures	Theory & Practical Examinations,



Program	Programme Outcomes/Learning Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
Himalayan Institute of Medical Sciences				
MS-General Surgery	PO1: Practice surgery efficiently and effectively, backed by a sound scientific knowledge and skill base.	Knowledge, Skills and Attitude	Lecture, Case Presentation, Seminar, SDL, Bedside Clinical Teaching	Theory & Practical Examinations, Quiz, OSPE, OSCE
	PO2: Acquire a spirit of scientific inquiry and is oriented to the principles of research methodology and epidemiology	Research	Individual / Group Project, Journal Club, Thesis Writing	Practical Examinations, Viva Voce
	PO3: Exercise empathy and a caring attitude and maintain high ethical standards	Professional Ethics	Role Play, Project, Conferences, Workshop, Family visits under the Family adoption program	Theory & Practical Examinations,
	PO4: Continue to evince keen interest in continuing surgical education	Lifelong Learner	Attending CMEs, Surgery-Radiological meet Surgery-Pathology meet	Theory & Practical Examinations,
	PO5: Be a motivated 'teacher' to share his knowledge and skills with a colleague or a junior.	Professional Mentor	Interactive Guest Lectures Paper /Poster Presentation	Theory & Practical Examinations,



Program	Programme Outcomes/Learning Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
Himalayan Institute of Medical Sciences				
MS-General Surgery	PO6: Shall recognize the health needs of the community, and carry out professional obligations ethically and in keeping with the objectives of the national health policy.	Skills in recognizing the health needs of Community, Professional Ethics	Community visits through camps	Theory & Practical Examinations, OSCE, OSPE
MS - Ophthalmology	PO1: To attain basic knowledge of the structure, function, development and common eye diseases and their epidemiology	Knowledge of eye diseases	Lecture, Seminar, Case Presentation, Group Presentation	Theory & Practical Examinations, Quiz, OSPE, OSCE
	PO2: To practice and handle day-to-day problems independently in ophthalmology including diseases in rural areas. The student should recognize the limitations of his/her own clinical knowledge and know when to seek further help.	Practice and attitude on eye diseases	Case Presentation, Group Presentation, Self-Directed Learning	Practical Examinations, Viva Voce Day To day assessment
	PO3: To be able to integrate the preventive methods with the curative and rehabilitative measures in the comprehensive management of the disease including working of mobile ophthalmic unit.	Ability to integrate the preventive, curative and rehabilitative measures	Health Camps, Case Presentation, Group Presentation	Theory & Practical Examinations,
	PO4: To be familiar with the current developments in ophthalmic sciences, medico-legal aspect and patient counselling.	Advancement in the developments in ophthalmic sciences	Attending CMEs, Conferences. workshop	Theory & Practical Examinations,
	PO5: To be able to plan research project and educational programmes in ophthalmology in association with senior colleagues and be familiar with the modern methods of research, teaching and evaluation.	Research	Journal club, Thesis Writing	Practical Viva Voce



Program	Programme Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
MS-Orthopaedics	PO1: Identify and recognize various congenital, developmental, inflammatory, infective, traumatic, metabolic, neuromuscular, degenerative and oncological disorders of the musculoskeletal system.	Knowledge, Skills and Attitude	Lectures, Symposium Small Group Discussions, Mini Clinical examinations	Theory Practical Examinations OSCE OSPE Viva Voce
	PO2: Provide competent professional services to trauma and Orthopaedic diseases (congenital, developmental, inflammatory, infective, metabolic, neuromuscular, degenerative and oncological) patient at primary, secondary, tertiary health care centers.	Competent Professional	Direct observation of practical skills. Case Presentations, Journal Club Bone Skills Lab sessions	Theory Examination, Sessional Examinations Assignment
	PO3: Demonstrate empathy and humane approach and good communication skills towards patients and their families and exhibit interpersonal behavior in accordance with the societal norms and expectations.	Communication Skills	Short Term Courses Workshop & Conferences	Theory Examination, Sessional Examinations Assignment
	PO4: Demonstrate professionalism.	Professional Ethics	Conferences, Workshop	Theory & Practical Examinations,
	PO5: Acquire skills as a self-directed learner; recognize continuing education needs, select and use appropriate learning resources.	Life- long Learner	Self -Directed Learning, Attending CMEs, Mortality-morbidity meet Inter departmental meets (radiology & Pathology)	Theory & Practical Examinations,



Program	Programme Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
MS-Orthopaedics	PO6: Demonstrate competence in basic concepts of research methodology and epidemiology, and be able to critically analyze relevant published research literature.	Professionalism and Ethics	Lectures and presentations	Theory Practical Examinations Project Evaluation
	PO7: Demonstrate teaching skills using educational methods and techniques as applicable to the teaching of medical/nursing students, general physicians and paramedical health workers.	Teaching Skills	Conferences, Workshop	Theory Examination, Sessional Examinations Assignment
	PO8: Function as an effective leader of a health team engaged in health care, research or training.	Effective Leader	Workshop & Conferences	Theory Examination, Sessional Examinations Assignment



Program	Programme Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
MS- Otorhinolaryngology	PO1: Clinician who understands medical, social requirements of the patients and his family, and besides providing speciality care, also provides holistic care.	Knowledge, Skills and Attitude	Lectures, Symposium Small Group Discussions	Theory Practical Examinations OSCE OSPE Viva Voce
	PO2: Leader & member of health care system – The clinician who can work as a member of professional team and performs his role with responsibility, working coherently and positively at various levels of professional hierarchy.	Leadership Skills	Involvement in scientific forum	Theory Examination, Sessional Examinations Assignment
	PO3: Will be a good communicator with patients, families, colleagues, community, who can explain the disease and the treatment plan with risks of omission and commission, with empathy and take an informed consent.	Communicator	Role Play, Project, Conferences, Workshop,	Theory & Practical Examinations,
	PO4: Lifelong Learner - The clinician who knows the importance of keeping abreast with the ever evolving surgical field, and shall keep updating his clinical knowledge and skills, by attending workshops, conferences, reading journals and by opting for fellowship programs.	Life Long Learner	Attending CMEs, Surgery-Radiological meet Surgery-Pathology meet	Theory & Practical Examinations,
	PO5: Professional committed to excellence in his knowledge and skills, and is ethical.	Professional	Interactive Guest Lectures Paper /Poster Presentation	Theory & Practical Examinations,



Methods of the assessment of Learning Outcomes and Graduate Attributes (Other Programs)

Program	Programme Outcomes/ Learning Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
Himalayan Institute of Medical Sciences				
M.Sc. Clinical Research	PO1: Basic Researcher & critical thinker, who thinks critically and develop power of reasoning in research.	Researcher & Critical Thinker Reasoning	Lectures and presentations, Seminar Assignment	Theory & Practical Examinations, Day to Day Assessment Viva
	PO2: Data manager, as an active member of the research team, they will be able to analyse and manage clinical data & big data in pharmaceutical industries /Healthcare settings.	Data Manager Analytical Skills	Lectures and presentations Hands on Training on Data management	Theory & Practical Examinations, Day to Day Assessment Viva
	PO3: Professional, who adhere good practices in scientific investigations & clinical trials dealing with drugs, diseases and medical devices	Professional	Lectures and presentations related to Professional ethics & Human Values	Theory Practical Examinations Project Evaluation
	PO4: Communicator, work efficiently in teams to meet organizational and societal goals communicating effectively with stake holders with sensitivity and ethical awareness	Communication	Presentation Skills Paper/ Poster Presentation in conferences	Viva Based Evaluation
	PO5: Lifelong learner committed to continuous improvement of skills & knowledge in Quantitative tools & techniques in Health Care including Bio/ Pharmaco /Medico-Informatics, and basic Drug designing.	Lifelong Learner	Short Term Courses Continuing Education Attending Workshop	Theory & Practical Examinations,



Program	Programme Outcomes/Learning Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
Master of Hospital Administration	PO1: Demonstrate adequate knowledge of concepts, techniques, functions relevant to hospital administration.	Knowledge related to Hospital administration	Lecture, Seminar, Hospital/ health centres visits, Guest Lectures	Theory & Practical Examinations
	PO2: Manage administrative/ operational issues in various departments of hospitals and other healthcare organizations.	Problem Solving Skills	Hospital postings, hospital/ health care centre visits	Feedback from hospital departments/ HODs
	PO3: Formulate, assess, and implement plans or ideas.	Planning skills	Hospital related Performa/ Report development	Performa/ Report audit from the concerned department(s)
	PO4: Communicate effectively with all stakeholders in the hospital/ healthcare system.	Communication Skills	Presentations, Assignments, Seminars	Assessment of Seminars, Presentations
	PO5: Develop professionalism through ethical, responsive and accountable attitude towards work.	Professional ethics Accountability	Case Analysis, Assignments involving ethical dilemma, guest lectures/ seminars in relevant ethical issues in healthcare	Formative Assessment, theory examinations, case exercises



Program	Programme Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
Department of Paramedical Sciences				
Master in Physiotherapy	PO1. Physiotherapy Expertise: Using a patient/family centered approach and best evidence, each student will organize and implement the preventive, investigative and management plans; and will offer appropriate follow-up services.	Expertise in Physiotherapy	Lecture Peer Teaching Paper Presentation Journal Presentations Hands on Training	Theory Examination, Sessional Examinations Assignment
	PO2. Leadership & Mentorship: Facilitate themselves and others in the development of their competence, by using a range of professional and personal development skills.	Leadership & Mentorship	Projects, Conferences, Workshop Mentor mentee meetings	Theory Examination, Sessional Examinations Assignment
	PO3. Communication and Collaboration: The student will learn how to communicate with patients/clients, caregivers, other health professionals and other members of the community effectively and appropriately. Recognize, clearly articulate, understand and support shared goals in the team that reflect patient and family priorities.	Communication and Collaboration Team Work	Seminar & Conferences	Theory Examination,



Program	Programme Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
Master in Physiotherapy	PO4. Professionalism and Ethics: Demonstrate distinctive, meritorious and high-quality practice that leads to excellence and that depicts commitment to competence, standards, ethical principles and values, within the legal boundaries of practice.	Professionalism and Ethics	Lectures and presentations related to Professional ethics & Human Values	Theory Practical Examinations Project Evaluation
	PO5. Research Aptitude: The student will utilize sound scientific and/or scholarly principles during interactions with patients and peers, educational endeavors, research activities and in all other aspects of their professional lives.	Research Aptitude	Involvement in scientific forum	Theory Examination, Sessional Examinations Assignment
	PO6. Life Long Learner: The student should be committed to continuous improvement in skills and knowledge. Performs objective self-assessments of their knowledge and skills; learn and refine existing skills; and acquire new skills and apply newly gained knowledge or skills to patient care.	Life Long Learner	Short Term Courses Workshop & Conferences	Theory Examination, Sessional Examinations Assignment



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Program	Programme Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
Bachelor of Physiotherapy (BPT)	PO1: Clinical Care: Organize and implement the preventive, investigative and management plans and will offer appropriate follow-up services.	Clinical Skills	Case Based Learning Workshop Hands on Training	Practical Examinations
	PO2: Communication: Communicate with patients/clients, care- givers, other health professionals and other members of the community effectively and appropriately.	Communication Skills Positive Attitude	Case Based Learning Presentations	Theory Examination, Sessional Examinations Assignment
	PO3: Membership of a multidisciplinary health team: put a high value on effective communication within the team, including transparency about aims, decisions, uncertainty and mistakes	Member of Health Care Team, Social Responsibility	Workshop Conferences	Theory Examination, Sessional Examinations Assignment
	PO4: Ethics and accountability: understand core concepts of clinical ethics and law so that they may apply these to their practice as physicians	Professional Ethics	Value added Courses related to human Values & professional Ethics	Theory Examination, Sessional Examinations Assignment
	PO5: Commitment to professional excellence: Execute professionalism to reflect in his/her thought and action a range of attributes and characteristics that include technical competence in effective and expected delivery of healthcare.	Professional Commitment	Involvement in group discussions, Case studies	Theory Examination, Sessional Examinations Assignment



Program	Programme Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
Bachelor of Physiotherapy (BPT)	PO6: Leadership and mentorship: Take on a leadership role where needed in order to ensure clinical productivity and patient satisfaction.	Leadership & Mentorship	Workshop, Mentor mentee meetings	Theory Examination, Sessional Examinations Assignment
	PO7: Social Accountability and Responsibility: Recognize that allied and healthcare professionals need to be advocates within the health care system, to judiciously manage resources and to acknowledge their social accountability	Social Accountability and Responsibility	Public Awareness Health Camps Rehabilitation Programs	Theory Examination, Sessional Examinations Assignment
	PO8: Scientific attitude and Scholarship: Conduct research for the improvement in the field	Scientific attitude and Scholarship Evidence Based Practice	Involvement in scientific forum Presentation Journal Club Presentations	Theory Examination, Sessional Examinations Assignment
	PO9: Lifelong learning: Lifelong learner committed to continuous improvement of skills and knowledge	Lifelong learning	Short Term Courses Workshop & Conferences	Theory Examination, Sessional Examinations Assignment
Bachelor of Medical Laboratory Technician (BMLT)	PO1: Technician who understands & provides the quality in diagnostic & interpretative services	Quality in diagnostic & interpretative services	Laboratory	Practical Examinations
	PO2: Technician who will be leader & member of diagnostic health care system	Leadership Skills	Lecture Workshop Group Discussion	Theory and Practical Examination
	PO3: Technician who will be communicator with patients, families, colleagues, community	Communication Skills	Assignment Group discussion	Practical Examinations



Program	Programme Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
BMLT	PO4: Technician who will be lifelong Learner for all their acquired skills	Lifelong Learner	Continuing Education Attending Seminars	Assessment
	PO5: Technician who will be professionally committed to excellence & ethics	Professionally Committed	Lectures Workshop and Conferences	Theory & Practical Examinations
Bachelor of Radiography & Imaging Technology (BRIT)	PO1: Technician who understands the radiation hazards and protection	Quality in diagnostic & interpretative services	Laboratory	Practical Examinations
	PO2: Technician who will be well versed in imaging procedures & member of diagnostic health care system	Leadership Skills	Lecture Workshop Group Discussion	Theory and Practical
	PO3: Technician who will be communicator with patients, families, colleagues, community	Communication Skills	Assignment Group discussion	Practical Examinations
	PO4: Technician who will be lifelong Learner for all their acquired skills	Lifelong Learner	Continuing Education Attending Seminars	Theory & Practical Examinations
	PO5: Technician who will be professionally committed to excellence & ethics	Professionally Committed	Lectures Workshop and Conferences	Theory & Practical Examinations
Bachelor of Optometry (B.OPTOM)	PO1: Optometrist who understands and provides holistic care	Knowledge & Skills related to Optometry	Demonstration Lecture Experiment/Case	Theory and Practical Spotting/OSPE Viva Voce
	PO2: Leader & member of health care system.	Leadership Skills	Internship Training Workshop Group Discussion	Theory and Practical
	PO3: Communicator with patients, families, colleagues, and community.	Communication Skills	Health Camps Assignment Group discussion Rehabilitation	Practical Examinations Day to Day Assessment



Program	Programme Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
Bachelor of Optometry (B.OPTOM)	PO4: Lifelong learner committed to continuous improvement of skills and knowledge.	Lifelong Learner	Continuing Education Attending Seminars	Theory & Practical Examinations
	PO5: Professional, committed to excellence ethical	Professionally Committed	Lectures Workshop and Conferences	Theory & Practical Examinations
Bachelor of Audiology & Speech-Language Pathology (B.ASLP)	PO1: Clinician, who understands and provides holistic care	Knowledge & Skills	Demonstration Lecture	Theory and Practical Spotting/OSPE Viva Voce
	PO2: Leader & member of health care system.	Leadership Skills	Lecture Workshop Group Discussion	Theory and Practical
	PO3: Communicator with patients, families, colleagues, and community.	Communication Skills	Assignment Group discussion	Practical Examinations
	PO4: Lifelong learner committed to continuous improvement of skills and knowledge.	Lifelong Learner	Continuing Education Attending Seminars	Theory & Practical Examinations
	PO5: Professional, committed to excellence ethical	Professionally Committed	Lectures Workshop and Conferences	Theory & Practical Examinations Day to Day Assessment
Himalayan School of Biosciences				
M.Sc. Microbiology	PO1: To learn and understand theoretical and practical knowledge of Microbiology	Knowledge & Skills related to microbiology	Lecture, Seminar, Symposium	Theory Examination: Formative & Summative Assessment
	PO2: To understand the finer intricacies of diversified fields of subject involved in the interdisciplinary aspect of Microbiology	Knowledge	Lecture, Seminar, Symposium	Theory Examination: Formative & Summative Assessment



Program	Programme Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
M.Sc. Microbiology	PO3: To develop subject based analytical skills, practical knowledge and competency in the use of tools, technologies and methods common to microbiology, and apply the scientific method and hypothesis testing in the design and execution of experiments	Analytic Skills Knowledge Competent Technological proficiency in learning	Instrumentations used in the lab, Hands on Training	Practical Evaluations
	PO4: To learn effective scientific communication and research design to independently carry out a complete scientific work process, including the understanding of theoretical background, hypothesis generation, collection and analysis of data, and interpretation and presentation of results	Scientific Communication & Research	Research Presentations & Research Projects, Paper & Poster Presentation related Scientific research Analysis & Interpretation of Data	Thesis Evaluation By experts Presentation skill Evaluation
	PO5: To apply multidisciplinary skills and knowledge for higher studies or applied research in a global, economic, environmental and societal context	Multidisciplinary Skills Social Responsibility	Group Discussion Communication Skills	Theory & Practical Examinations Viva-voce
M.Sc. Biotechnology	PO1: To Learn theoretical and practical knowledge of fundamental and applied aspects of life sciences	Knowledge	Lecture, Seminar, Symposium	Theory Examination: Formative & Summative Assessment
	PO2: To understand the finer intricacies of diversified fields of subject involved in the interdisciplinary aspect of Biotechnology	Knowledge	Lecture, Seminar, Symposium	Theory Examination: Formative & Summative Assessment
	PO3: To develop subject based analytical skills, practical knowledge and competency for applied research and development	Analytical Skills	Instrumentations used in the lab, Hands on Training	Practical Evaluations



Program	Programme Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
M.Sc. Biotechnology	PO4: To learn effective scientific communication, research design and interpret experiments to undertake challenging and new opportunities in academia and industry.	Research & Communication	Workshop Scientific Presentations Research Project	Thesis Evaluation By experts Presentation skill Evaluation
	PO5: To apply multidisciplinary skills and knowledge for higher studies or applied research in a global, economic, environmental and societal context.	Multidisciplinary approach	Group Discussion Communication Skills	Theory & Practical Examinations Viva-voce
M.Sc. Biochemistry	PO1: To learn about the molecular structure and conformation of proteins, lipids, nucleic acids, and carbohydrates and their role in the metabolic functions of the organism.	Knowledge	Lecture, Seminar, Symposium	Theory Examination: Formative & Summative Assessment
	PO2: To understand the biochemical processes that underlie the cellular physiology of eukaryotic and prokaryotic cells, principles of inheritance and can explain the relationship of genomics and proteomics	Knowledge	Lecture, Seminar, Symposium	Theory Examination: Formative & Summative Assessment
	PO3: To attain proficiency in modern techniques of various aspects of biochemistry and able to apply experimentation and hypothesis testing to biochemical methods	Proficiency in modern techniques	Applying latest software tools in learning, Workshop	Practical Examinations, Formative & Summative Assessment
	PO4: To understand the molecular mechanisms of different inherited diseases and metabolic disorders and conduct the biochemical tests for molecular diagnosis	Proficiency in biochemical test & instrumentations	Laboratory	Theory Practical Examinations



Program	Programme Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
M.Sc. Biochemistry	PO5: To work independently and as a team for retrieving information from various e-resources, carry out research investigations and result interpretations, write research thesis, and present and defend their findings to scientific audience at regional or national levels.	Team Work Research	Lectures and presentations Research Projects, Paper & Poster Presentation	Theory Practical Examinations Project Evaluation
Himalayan School of Yoga Sciences				
B.Sc. in Yoga Science and Holistic Health	PO1: Integrate and apply knowledge of yoga and spiritual evolution for the practice of yoga as healthcare therapy. Use modern tools and techniques in developing yoga specialty centers.	Knowledge of Yoga & Spiritual Evolution	Lecture, Seminar, Symposium Yoga Competitions	Theory & Practical Examination: Formative & Summative Assessment
	PO2: Design advanced yoga based therapies to meet identified needs within economic, environmental and social constraints.	Advanced Yoga based therapies as per identified need	Demonstration Guest Lecture	Theory & Practical Examination
	PO3: Instill the intellectual skills to analyze and solve healthcare disorders through designing specific yoga therapies	Analytical Skills & Problem Solving	Quiz, Group Discussions Preparation of Charts related to Yoga	Practical Examinations
	PO4: To introduce Yoga therapy, its principles and practices of Yoga to people with various lifestyle disorders.	Yoga therapy on various lifestyle disorder	Case Based yoga therapy, Practical sessions in clinical setting depending on the disorders	Theory & Practical Examinations



Program	Programme Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
B.Sc. in Yoga Science and Holistic Health	PO5: Demonstrate an understanding of professional ethics in yoga science to avoid biological controversies.	Professional Ethics	Guest Lecture Workshop Lecture Seminar	Theory Practical Examinations
	PO6: Promote the awareness for positive health and personality development in the society through yoga awareness programmers/training sessions.	Personality Development	Lectures Presentations Workshop and Conferences	Theory & Practical Examinations
M.Sc. Yoga Sciences	PO1: To develop the ability in the students to apply the knowledge and skills they have acquired to the solution of specific theoretical and applied problems in Yoga.	Knowledge and Skills related to Yoga	Lecture, Seminar, Symposium	Theory Examination: Formative & Summative Assessment
	PO2: To assist Therapist/consultants to give Yoga Training and Therapy at hospitals.	Assisting therapist/ Consultants as Yoga Trainer	Case based learning Case discussions Practical Sessions Demonstration	Practical Assessment
	PO3: To promote the awareness for positive health and personality development in the student through Yoga.	Social Responsibility Personality Development	Health Awareness related to benefits of Yoga for the welfare of families and communities	Theory & Practical Examinations
	PO4: Instilling and inculcating the general interest and inquisitive knowledge about Yoga, personality development and spiritual evolution.	Spiritual development	Meditation & Systematic Relaxation	Practical Examinations



Program	Programme Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
M.Sc. Yoga Sciences	PO5: To prepare institutionally trained Yoga professionals to impart Yoga training to all sections of the society.	Yoga Training for the welfare of the society	Yoga Camp Yoga Session at various schools	Practical Examinations
B.Sc. Nursing	PO1: Apply knowledge from physical, biological and behavioral sciences, medicine including alternative systems in nursing for providing nursing care to individuals, families and communities	Knowledge	Interactive Lecture, Seminars, Conferences	Theory Examination, Sessional Examinations Assignment, Quiz, Test
	PO2: Participate as member of health team in the promotive, preventive, curative and restorative health care delivery system of the country.	Member of Health Care Team	Patient Counselling, Health Education, Patient Care	Theory Examination including Sessional Examinations Assignment, Quiz, Test
	PO3: Provide nursing care based on steps of nursing process in collaboration with the individual and groups.	Skills Development	Practical, Demonstration Classes, Group Work	Practical Examinations, OSCE/OSPE
	PO4: Demonstrate leadership qualities and decision-making abilities in various situations.	Leadership Skills	Laboratory Training, Case Based Learning, Workshops, Preclinical Teachings	Practical Examination, OSCE/OSPE, Case Based Learning
	PO5: Demonstrate skills in communication and interpersonal relationships	Skills Development Innovative & Research	Role Play Workshop Conferences	Theory Examination,
	PO6: Demonstrate managerial and teaching skills in community health setting.	Plan in Health Care delivery system	Extensive activities, Outreach Program, Role Play Workshop Conferences	Sessional Examinations Assignment, Quiz, Test



Program	Programme Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
B.Sc. Nursing	PO7: Utilize the latest trends and technologies in providing health care	Communication skills	Soft Skill Labs Seminar & Conferences	Theory Examination,
	PO8: Practice ethical values in their personal and professional life.	Professional Ethics	Lecture, Symposium, Seminar	Sessional Examinations Assignment, Quiz, Test
	PO9: Conduct need based research studies in various settings and utilize the research findings to improve the quality of care.	Research project as per need based	Journal Club Presentation, Presentations in Scientific Forum	Theory and Practical Examination
	PO10: Recognize the need for continued learning for their personal and professional development	Professional Advancement & Lifelong Learner	CNE, Short Term Courses, Attending Conferences & Workshop	Sessional Examinations Assignment, Quiz, Test
Post Basic B.Sc. Nursing	PO1: Assess health status, identify nursing needs, plan, implement and evaluate nursing care for patients/clients that contribute to health of individuals, families and communities.	Knowledge and Skills	Lecture, Seminar, Symposium	Theory Examination: Formative & Summative Assessment
	PO2: Demonstrate competency in techniques of nursing based on concepts and principles from selected areas of nursing, physical, biological and behavioral sciences.	Knowledge Skills & Attitude	Case based learning Case Presentation Clinical Teachings	Sessional Examinations Assignment, Quiz, Test
	PO3: Participate as members of health team in the promotive, preventive, curative and restorative health care delivery system of the country.	Member of Health Team	Health Education Involvement in Health Awareness	Practical Examination



Program	Programme Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
Post Basic B.Sc. Nursing	PO4: Demonstrate skills in communication and interpersonal relationships.	Interpersonal relationship Communication Skills	Group Discussion. Seminar & Conferences	Theory & Practical Examination,
	PO5: Demonstrate leadership qualities and decision-making abilities in various situations.	Leadership	Workshop, Group Projects, Organizing CNE	Theory Examination,
	PO6: Demonstrate skills in teaching to individuals and groups in community health settings.	Teaching Skills	Presentations in seminar	Sessional Examinations Assignment, Quiz, Test
	PO7: Demonstrate managerial skills in community health settings.	Managerial Skills	Field Visit, Health Camps & Health Education,	Theory Examination,
	PO8: Practice ethical values in their personal and professional life.	Professional Ethics	Lecture Guest Lecture Value Added Course	Sessional Examinations Assignment, Quiz, Test
	PO9: Participate in research activities and utilize research findings in improving nursing practice.	Research Activities	Research related Presentations	Theory & Practical Examination,
	PO10: Recognize the need for continued learning for their personal and professional development.	Lifelong Learner	Attending CNE, Short Term Courses, Attending Conferences & Workshop	Sessional Examinations Assignment, Quiz, Test



Program	Programme Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
M.Sc. Nursing	PO1: Utilize/apply the concepts, theories and principles of nursing science	Knowledge	Lecture, Seminar, Group Assignment	Theory Examination, Sessional Examinations Assignment, Quiz, Test
	PO2: Demonstrate advance competence in practice of nursing	Skill Development	Simulation based learning, Workshop, Clinical Teachings & Case Presentations, Gadget Presentations	Practical Examination, OSCE/OSPE
	PO3: Practice as a nurse specialist	Clinical skill	Simulation based learning, Nursing Rounds Case Discussions	Practical Examination, OSCE/OSPE Case Based Learning
	PO4: Demonstrate leadership qualities and function effectively as nurse educator and manager	Leadership skills	Organizing Conferences and Workshop, CNE	Practical Based Examinations
	PO5: Demonstrate skill in conducting nursing research, interpreting and utilizing the findings from health related research.	Research Evidence Based Practice	Journal Club, Research Projects, Mini Projects	Theory Examination, Sessional Examinations Assignment Evaluations
	PO6: Demonstrate the ability to plan and effect change in nursing practice and in the health care delivery system	Skills Development	Evidence based practice	Practical Examinations
	PO7: Establish collaborative relationship with members of other disciplines	Interdisciplinary Approach	Group Projects Assignments	Practical Examinations Project Evaluation
	PO8: Demonstrate interest in continued learning for personal and professional advancement	Life Long Learner	Attending CNE, Conferences and workshop	Theory Examination, Sessional Examinations Assignment



Program	Programme Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
M.Sc. Nursing (NPCC)	PO1: Assume responsibility and accountability to provide competent care to critically ill patients and appropriate family care in tertiary care centres.	Responsibility and accountability	Case Based Learning Clinical presentations	Theory & Practical Examination
	PO2: Demonstrate clinical competence / expertise in providing critical care, which includes diagnostic reasoning, complex monitoring and the therapies.	Clinical Competence	Simulation Based Learning Clinical Presentations	Practical Examinations OSCE/ OSPE
	PO3: Apply theoretical, patho-physiological and pharmacological principles and evidence base in implementing therapies /interventions in critical care.	Knowledge	Interactive lecture, Seminar, Symposium	Theory Examinations: Formative and Summative Examinations
	PO4: Assess and participate in treating patients with critical illness to stabilize and restore patient's health and minimize or manage complications independently or collaboratively as a part of critical care team.	Participates in Critical Care Team	Case Based Learning Case Discussions Clinical Presentations	Theory & Practical Examination, OSCE
	PO5: Collaborate with other health care professionals in the critical care team, across the continuum of critical care.	Interdisciplinary Approach	Workshop, Conference and Clinical Conferences	Sessional Examinations Assignment, Quiz, Test



Program	Programme Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
Himalayan School of Management Science				
B.Com (Hons)	PO1. Apply theories & practices of accounting, finance & commerce management in a global commercial context.	Knowledge in finance and Management	Lecture, Seminar, Symposium Problem Solving Sessions	Theory Examination: Formative & Summative Assessment Quiz
	PO2. Foster critical thinking for solving accounting & finance problems.	Critical Thinking Problem solving Accounting Skills	Business Cases Problem Based Questions	Case Based Questions
	PO3. Effectively communicate by the use of appropriate mode(s) of communication for the intended audience	Communication	Presentations, Assignments Mini Projects Lab Work	Practical Examinations Class Assessment
	PO4. Participate collaboratively in teams to achieve the desired outcomes.	Team Skills	Group Assignments Group Projects Group Presentations	Class Assessment as a part of Formative assessment
	PO5. Appraise and integrate ethical, environmental, and sustainability considerations in decision-making	Decision making	Case Analysis, Assignments involving ethical Dilemma	Theory & Practical Examinations,
Bachelor of Business Administration	PO 1: Apply theories & practices of management in a global business context.	Knowledge, Skills	Lecture, Seminar, Case Based Teaching Industry Visits, Industry Training Guest Lectures	Theory Examination: Formative & Summative Assessment Quiz



Program	Programme Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
Bachelor of Business Administration	PO 2: Ability to foster critical thinking for solving business problems.	Critical Thinking	Problem Based Case Incidents/Questions	Practical Examinations Case Based Questions
	PO 3: Ability to communicate effectively by the use of appropriate mode(s) of communication for the intended audience.	Communication	Presentations, Assignments Mini Projects	Practical Examinations, Class Assessment
	PO 4: Participate collaboratively in teams to achieve the desired outcomes	Collaboration Team work	Field Projects, Group Assignments Group Projects, Group Presentations	Practical Examinations Project Evaluation
	PO 5: Appraise and integrate ethical, environmental, and sustainability considerations in decision	Ethical Decision Making Capacities	Case Analysis, Assignments involving ethical Dilemma	Formative Assessment, Theory Examinations
	PO 6: Understand the needs of organizations and provide effective leadership for the attainment of goals.	Leadership Skills	Business Conclave, Business Cases Student involvement in organizing Workshops/ Events	Event Coordination, Appraisal of Performance in conclave
Master of Business Administration	PO 1: Apply theories & practices of management in a global business context.	Knowledge related to global business context	Lecture, Seminar, Case Based Teaching Industry Visits, Industry Training Guest Lectures	Theory Examination: Formative & Summative Assessment Quiz
	PO 2: Foster critical thinking for solving business problems.	Critical Thinking Problem solving	Case Analysis, Problem Based Case Incidents/Questions	Formative Assessment Theory Examinations



Program	Programme Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
	PO 3: Effectively communicate by the use of appropriate mode(s) of communication for the intended audience.	Communication Use of appropriate modes	Personality Development Programme, Presentations, Seminars	Theory & Practical Examinations,
	PO 4: Participate collaboratively in teams to achieve the desired outcomes.	Field Projects, Group Assignments Group Projects, Group Presentations	Practical Examinations Project Evaluation	Field Projects, Group Assignments Group Projects, Group Presentations
	PO 5: Appraise and integrate ethical, environmental, and sustainability considerations in decision-Making & practice.	Ethical Decision Making Capacity	Lectures and presentations related to Professional ethics & Human Values	Theory Practical Examinations Project Evaluation
Himalayan School of Science and Technology				
Bachelor of Technology (Computer Science and Engineering)	PO1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.	Engineering knowledge	Lecture, Seminar, Symposium	Theory Examination: Formative & Summative Assessment
	PO2: Problem Analysis: Identify, formulate, research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.	Problem Analysis	Lab Work Workshop Industrial Training	Theory & Practical Examination: Formative & Summative Assessment



Program	Programme Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
Bachelor of Technology (Computer Science and Engineering)	PO3: Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.	Design solutions for complex engineering problems Social Responsibility	Group Discussions Debates Workshop Hands on Training Lab Work	Theory & Practical examination
	PO4: Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.	Research Analysis & Interpretation	Project work & Presentations in scientific forum	Theory & Practical examination
	PO5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.	Technological Proficiency	Learning and applying latest software tools, Workshop on latest technology, Webinar	Lab Exams, Formative & Summative Assessment
	PO6: The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.	Social Responsibility	Quiz, Internship training	Theory & Practical examination



Program	Programme Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
Bachelor of Technology (Computer Science and Engineering)	PO7: Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.	Environment and sustainability	Field Visit related to environmental context and Case studies	Theory & Practical examination
	PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.	Work & Professional Ethics	Lectures and presentations related to Professional ethics & Human Values	Theory & Practical examination
	PO9: Individual and Teamwork: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	Team work Collaboration	Project work Industrial Training, Presentations, Field Work	Theory Examination Formative & Summative Assessment Project Evaluation
	P10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.	Communication	Personality Development Programme, Presentations, Seminars	Theory & Practical examination
	P11: Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments	Project management and Finance	Project Work Assignments Group Project Field Project	Project Evaluation



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Program	Programme Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
Bachelor of Technology (Computer Science and Engineering)	P12: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change	Lifelong Learning	Value added courses Awareness through guest lectures, webinars and workshop	Theory Examinations
Bachelor of Computer Applications	PO1: Domain Expertise: Apply knowledge of computing and mathematics appropriate to the discipline.	Knowledge	Lecture, Seminar, Symposium	Theory Examination: Formative & Summative Assessment
	PO2: Problem analysis: Analyse a problem, and identify and define the computing requirements appropriate to its solution	Problem Analysis	Lab Work Workshop Industrial Training	Theory & Practical Examination: Formative & Summative Assessment
	PO3: Individual and teamwork: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	Team work/spirit Leadership skills	Project work Industrial Training, Presentations, Field Work	Theory Examination Formative & Summative Assessment Project Evaluation
	PO4: Modern Tool Usage: Use current techniques, skills, and tools necessary for computing practices.	Technological Proficiency	Learning and applying latest software tools, Workshop on latest technology, Webinar	Lab Exams, Formative & Summative Assessment
	PO5: Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, demonstrate the knowledge of, and need for sustainable development.	Environment and sustainability	Field Visit related to environmental context and Case studies	Theory & Practical Examination: Formative & Summative Assessment



Program	Programme Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
Bachelor of Computer Applications	PO6: Professional Ethics: Understand professional ethics and Cyber regulations and develop the youth with social commitments.	Professional Ethics	Lectures and presentations related to Professional ethics & Human Values	Theory & Practical examination
	PO7: Communication Efficacy: Communicate effectively with computing society in both verbal and written form	Communication Efficacy	Personality Development Programme, Presentations, Seminars	Theory & Practical examination
	PO8: Life-long learning: Recognize the need for and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.	Life Long Learning	Value added courses Awareness through guest lectures, webinars and workshop	Theory & Practical Examinations,
Master of Computer Applications	PO1: Computational Knowledge: Acquire knowledge of Computing Fundamentals, Basic Mathematics, Computing Specialization, and Domain Knowledge of proper computing models from defined problems.	Knowledge	Lecture, Seminar, Symposium	Theory & Practical examination
	PO2: Problem Analysis: Identify, invent, research activities to provide solutions for complex computing problems using fundamental concepts of Mathematics, Computing Science and Relevant Domains.	Problem Analysis	Lab Work Workshop Conferences	Theory Practical Examinations Project Evaluation
	PO3: Design and Development: Design and develop a solution for complex problems in domains like Banking, Insurance, Healthcare Systems and Multimedia and Mass Communications.	Design and Development	Project Work Problem based Learning	Theory Practical Examinations Project Evaluation



Program	Programme Outcomes	Graduate Attributes	Teaching & Learning Strategies/ Activities	Assessment Tools
Master of Computer Applications	PO4: Continuous learning: confidence for self and continuous learning to improve knowledge and competence as a computing professional.	Lifelong Learning	Value added courses Awareness through guest lectures, webinars and workshop	Theory & Practical examination
	PO5: Modern tool usage: adapt and apply modern computing tools to analyse and resolve problems.	Technology proficiency	Learning and applying latest software tools, Workshop on latest technology, Webinar	Lab Exams, Formative & Summative Assessment
	PO6: Professional Ethics: understand professional ethics and Cyber regulations and develop the youth with social commitments.	Professional Ethics	Lectures and presentations related to Professional ethics & Human Values	Theory Practical Examinations Project Evaluation
	PO7: Personality development: understand Management Principles and apply these to develop software as a team member and manage projects efficiently for multidisciplinary environments.	Personality Development	Lectures Presentations Workshop and Conferences	Theory & Practical Examinations
	PO8: Communication Efficacy: Communicate effectively with computing society in both verbal and written form.	Communication skills Effective communication	Personality Development Programme, Presentations, Seminars	Theory & Practical examination
	PO9: Social Responsibility: Find and access Social and Environmental issues for local and global needs and give relevant solutions for them.	Social Responsibility	Quiz, Internship training	Theory & Practical examination

