



- To find the scope of improvements in currently existing PG entrance examination

Process:

- Institutions conducting postgraduate entrance examinations were officially corresponded to send the ongoing PG programs they are conducting and the syllabus for entrance examinations
- The available syllabus for related disciplines from various institutions were compiled.
- Team of experts in the related disciplines representing various institutions worked up for the common syllabus with the help of available compiled documents.
- Workshop was conducted to scrutinize the contents and other aspects on entrance syllabus involving the experts who developed the syllabus and experienced experts conducting postgraduate entrance examinations in various institutions and head/chief of examination divisions in the respective institutions
- Workshop involving all head of institutions and concerned regulatory authority was conducted to come up with the consensus.

General consensus:

A common consensus on relevant issues related to syllabus were generated with brainstorming and regular discussions as per above mentioned process involving all stakeholders related to training of postgraduate academic programs.

1. Agreed to develop the syllabus for 11 groups representing all the PG programs:
 - a. MD/MS, MDS, MPH/MSc. Public Health, MSc. Nursing/MN, MD Ayurveda, MSc Biochemistry/Msc Microbiology, Msc. in Basic Medical Sciences, M. Pharm, MSc. MIT, M.Phil Clinical Psychology, M. Optometry
 - b. To make a single paper for different academic programs with same eligibility criteria. eg. MSc. Nursing/MN, MPH/MSc.PH, MSc Biochemistry/Microbiology, MSc. Basic Medical Sciences Programs
2. There should be professional council registration for applying to a postgraduate program except for the MPhil Clinical Psychology program where professional council registration is done only after completion of the course
3. Consensus was generated to have entrance test paper with 200 MCQs to improve Content coverage as well as to match with the recent practice. This will also help



differentiation of the candidates by minimizing the tie in the marks among the candidates.

4. MCQs will be of Single Best Response Type (Type A) with four options.
5. Consensus was generated to allow 3 hours with instruction to paper setter that the stem or vignette of the MCQ should not exceed 60 words.
6. Include 10 marks from the topics of CPD programs in MDMS and MDS Program Including medical ethics, basic and advanced cardiac life support, communication skills, rational use of medicines, infection prevention etc. in order to address human sensitivity and professionalism.
7. Adopt Criterion Referenced Test with 50% pass mark with no negative marking.
8. Difficulty level of the items should be set from the time of item preparation as:
 - a. Recall: 30%
 - b. Understanding: 50%
 - c. Application and above: 20%



[1] MD/MS (Doctor of Medicine / Master of Surgery)

A. Eligibility:

- MBBS or equivalent from institutions recognized by government of Nepal
- Registered in Nepal Medical Council
- Registered in respective medical council of applicant's own country for foreign candidates
- One year experience (Except for MDGP and MD/MS in Basic Medical Sciences excluded)
- Candidate should score minimum of 50% (Pass Marks) in the Entrance Examinations conducted by Medical Education Commission for being eligible to be in the merit list

B. Exam Format:

- Single best response type with Multiple choice questions
- Four options (A, B, C, D)
- No. of questions - 200
- Recall:Understanding:Application – 30:50:20
- Duration – (3 hours including one time voluntary toilet break)
 - To be allowed only after an hour

C. Weightage :

S.No.	Subjects	Marks
	Clinical	
1)	Medicine	18
2)	Surgery	18
3)	Obstetrics and Gynaecology	12
4)	Paediatrics	12
5)	Orthopaedics	10
6)	Otorhinolaryngology	10



7)	Ophthalmology	7
8)	Anaesthesiology	7
9)	Psychiatry	7
10)	Radiology	7
11)	Dermatology	7
	Sub-total	115
	Basic Medical Science	
12)	Anatomy	12
13)	Physiology	12
14)	Pathology	10
15)	Pharmacology	10
16)	Biochemistry	8
17)	Microbiology	8
	Sub-total	60
18)	Community Medicine + research Methodology – (6+4)	10
19)	Forensic Medicine	5
20)	Questions related to mandatory CPD (Medical ethics, rational use of drugs, infection prevention, BLS/ACLS, communication skills)	10
	Total	200

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[2] MDS (Masters in Dental Surgery):

A. Eligibility:

- BDS or equivalent from institutions recognized by government of Nepal
- Registered in Nepal Medical Council
- Registered in respective medical council of applicant's own country for foreign candidates
- One year experience
- Candidate should score minimum of 50% (Pass Marks) in the Entrance Examinations conducted by Medical Education Commission for being eligible to be in the merit list.

B. Exam Format:

- Single best response type with Multiple choice questions
- Four options (A, B, C, D)
- No. of questions - 200
- Recall: Understanding: Application – 30:50:20
- Duration – (3 hours including one time voluntary toilet break)
 - To be allowed only after an hour

C. Weightage :

S.No.	Subjects	Marks
	Clinical Dental Sciences Subjects	
1)	• Oral Medicine and Radiology (10 + 5)	15
2)	• Oral and Maxillofacial Surgery	15
3)	• Periodontics	15
4)	• Conservative Dentistry and Endodontics (7 + 8)	15
5)	• Orthodontics and Dentofacial Orthopedics	15
6)	• Pedodontics and Preventive Dentistry	15



7)	• Prosthodontics and Maxillofacial Prosthetics (Removeable Prosthodontics + Fixed Prosthodontics + Maxillofacial Prosthetics) (8+6+1)	15
8)	• Public Health Dentistry + Community Medicine & Biostatistics (5 + 5)	10
9)	• Oral Pathology and Microbiology - 10 marks	10
10)	• Dental Implantology	5
	Sub-total	130
	Basic Medical Science	
11)	• Anatomy	5
12)	• Physiology	5
13)	• Pathology	5
14)	• Pharmacology	5
15)	• Biochemistry	5
16)	• Microbiology	5
	Sub-total	30
17)	• Oral Biology	5
18)	• Dental Materials	5
19)	• Forensic Odontology	5
20)	• General Medicine	5
21)	• General Surgery	5
22)	• Anesthesia	5
23)	NMC CPD Topics (Medical ethics, rational use of drugs, infection prevention, BLS/ACLS, communication skills, medical emergencies in dental practices and practice management in dentistry)	10
	Total	200

[3] Master of Public Health (MPH)/Master of Science in Public Health (MSc. PH)/MPHN/MHPE:



A. Eligibility:

- MBBS, BDS, BPH, BN/BNS/BSc. Nursing, B.Sc. MLT/BMLT, BAMS, B.Pharmacy, B.Optomety, B.V.Sc., BASLP or equivalent from institutions recognized by government of Nepal
- Registered either in Nepal Medical Council, Nepal Nursing Council, Nepal Health Professional Council, Nepal Pharmacy Council, Nepal Ayurveda Council or Nepal Veterinary Council.
- Candidate should score minimum of 50% (Pass Marks) in the Entrance Examinations conducted by Medical Education Commission for being eligible to be in the merit list

B. Exam Format:

- Single best response type with multiple choice questions
- Four options (A, B, C, D)
- No. of questions - 200
- Recall: Understanding: Application – 30:50:20
- Duration – (3 hours including one time voluntary toilet break)

C. Weightage :

S.No.	Subjects	Marks
1)	Biostatistics	30
2)	Epidemiology	30
3)	Health promotion and Education	20
4)	Food and nutrition	20
5)	Research methodology	12
6)	Basic medical science	8
7)	Demography and health informatics	8
8)	Public health and primary health	8
9)	Environmental health and occupational health	8
10)	Family health and reproductive health	8
11)	Global health and international health	8
12)	Sociology and anthropology	8
13)	Public health administration and management	8
14)	Health system management	8
15)	Project planning, development, implementation and evaluation	8
16)	Health economics and health financing	8
	Total	200

[4] MD Ayurveda (Kayachikitsa)



A. Eligibility:

- BAMS or equivalent from institutions recognized by government of Nepal
- Registered in Nepal Ayurveda Council
- Registered in respective medical council of applicant's own country for foreign candidates
- One year working experience at government recognized institutions
- Candidate should score minimum of 50% (Pass Marks) in the Entrance Examinations conducted by Medical Education Commission for being eligible to be in the merit list

B. Exam Format:

- Single best response type with Multiple choice questions
- Four options (A, B, C, D)
- No. of questions - 200
- Recall: Understanding: Application – 30:50:20
- Duration – 3 hours including one time voluntary toilet break

C. Weightage :

S.No.	Subjects	Marks
	Basic Ayurveda medical sciences	66
1)	• Maulika Sidhanta (Basic Principle of Ayurveda) 5% (10 questions out of 200 marks)	10
2)	• Shareera Rachna (Anatomy) 4% (8 questions out of 200 marks)	8
3)	• Shareera Kriya (Physiology) 4% (8 questions out of 200 marks)	8
4)	• Dravyaguna Vigyana (Pharmacology) 5% (10 questions out of 200 marks)	10
5)	• Rasa shastra avam Bhaishjaya Kalpana (Pharmacy & Pharmaceutics) 5% (10 questions out of 200 marks)	10
6)	• Roga Vigyana avam Vrikriti Vigyana 4% (8 questions out of 200 marks)	8
7)	• Swasthavritta (Public Medicine) 3% (6 questions out of 200)	6



	marks)	
8)	• Agadha tantra avam Avana Ayurveda (Forensic & Jurisprudence) 3% (6 questions out of 200 marks)	6
	Clinical subjects	134
9)	• Kaya chikitsa (General Medicine) % (28 questions out of 200 marks)	28
10)	• Shalya tantra (General Surgery) % (28 questions out of 200 marks)	28
11)	• Shalakya tantra (Eye, ENT) % (26 questions out of 200 marks)	26
12)	• Kaumarbhritya (Padiatrics) % (26 questions out of 200 marks)	26
13)	• Prasuti tantra avam Stri roga (Obs. & Gyane.) % (26 questions out of 200 marks)	26
	Total	200

Dr. Jayprakash



[5] Master in Nursing/M.Sc Nursing/Midwifery

A. Eligibility:

- BN/ BNS / B.Sc. Nursing /B.Midwifery (B. Mid is eligible only for M.Sc. Midwifery program)
- Registered in Nepal Nursing Council
- One year experience
- Candidate should score minimum of 50% (Pass Marks) in the Entrance Examinations conducted by Medical Education Commission for being eligible to be in the merit list

B. Exam Format:

- Single best response type with Multiple choice question
- Four options (A, B, C, D)
- No. of questions - 200
- Recall: Understanding: Application – 30:50:20
- Duration – 3 hours including one time voluntary toilet break

C. Weightage :

S.No.	Subjects	Marks
1)	• Adult Nursing (Medical Surgical Nursing)	20
2)	• Midwifery	20
3)	• Pediatric Nursing (Child Health Nursing)	20
4)	• Community Health Nursing	20
5)	• Psychiatric Nursing (Mental Health Nursing)	20
6)	• Nursing research & Biostatistics	20
7)	• Integrated Health Science- 10%(Ana-3, physio-2, pharma-2, biochem-1, micro-1, patho-1)	20
8)	• Educational Science	16
9)	• Nursing concepts & ethical aspects in Nursing	16
10)	• Nursing leadership & Management	16
11)	• Social and Behavioral Science	6
12)	• Geriatric Nursing	6
	Total	200

[6] Master in Pharmacy (M. Pharm):



A. Eligibility:

- B. Pharm or equivalent degree recognized by government of Nepal
- Registered in Nepal Pharmacy Council
- Candidate should score minimum of 50% (Pass Marks) in the Entrance Examinations conducted by Medical Education Commission for being eligible to be in the merit list

B. Exam Format:

- Single best response type with Multiple choice questions
- Four options (A, B, C, D)
- No. of questions - 200
- Recall: Understanding: Application – 30:50:20
- .Duration – 3 hours including one time voluntary toilet break

C. Weightage :

S.No.	Subjects	Marks
1)	Biopharmaceutics and Pharmacokinetics	20
2)	Industrial Pharmacy	18
3)	Physical Pharmacy	18
4)	Instrumental Analysis	18
5)	Quality Assurance	18
6)	Pharmacology and toxicology	18
7)	Pharmaceutical Jurisprudence	18
8)	Pharmacotherapeutic	18
9)	Clinical Pharmacy	18
10)	Hospital Pharmacy	18
11)	Pharmacy Practice	18
	Total	200



[7] MSc. MIT (Master of Science in Medical Imaging Technology):

A. Eligibility:

- BSc. MIT or equivalent degree recognized by government of Nepal
- Registered in Nepal Health Professional Council
- Candidate should score minimum of 50% (Pass Marks) in the Entrance Examinations conducted by Medical Education Commission for being eligible to be in the merit list

B. Exam Format

- Single best response type with Multiple choice questions
- Four options (A, B, C, D)
- No. of questions - 200
- Recall: Understanding: Application – 30:50:20
- Duration – 3 hours including one time voluntary toilet break

C. Weightage :

S.No.	Subjects	Marks
1)	Basic Health Science (Anatomy & Physiology)	30
2)	Basic Health Science (Microbiology/Biochemistry/Pathology/Pharmacology)	20
3)	Biostatistics & Research Methodology	20
	Core subject: (65)	0
4)	Radiographic Technique	20
5)	Fluoroscopic procedures	20
6)	CT procedures	20
7)	MRI procedures	20
8)	Radiological & Imaging Physics:	0
9)	• General radiography	10
10)	• Fluoroscopy	8
11)	• CT	8
12)	• MRI	8
13)	• Ultrasonography	8
14)	• Radiation Protection	8
	Total	200

[8] M.Sc. Clinical/Medical Biochemistry & Medical Microbiology:



A. Eligibility:

- Bachelor degree in related subjects or B.Sc.(Medical Lab technology) or BMLT or B.Sc. (Laboratory Medicine) ,MBBS/BDS or its equivalent
- Registered in respective professional council
- Candidate should score minimum of 50% (Pass Marks) in the Entrance Examinations conducted by Medical Education Commission for being eligible to be in the merit list

B. Exam Format:

- Single best response type with Multiple choice questions
- Four options (A, B, C, D)
- No. of questions - 200
- Recall: Understanding: Application – 30:50:20
- Duration – 3 hours including one time voluntary toilet break

C. Weightage :

S.No.	Subjects	Marks
1)	Biochemistry	50
2)	Microbiology	50
3)	Hematology	20
4)	Histopathology	12
5)	Cytopathology	8
6)	General Pathology	10
7)	Anatomy	14
8)	Physiology	16
9)	Basic Pharmacology	8
10)	Biostatistics & Research Methodology	12
	Total	200



[9] M.Sc. in Basic Medical Sciences (Anatomy, Physiology, Pharmacology, Biochemistry, Microbiology)

A. Eligibility:

a. Anatomy:

- BPT/ BMIT/MBBS/ BDS/ BAMS or equivalent degree with registration in respective professional councils

b. Physiology

- BPT/ / BMIT/ MBBS/ BDS/ BAMS or equivalent degree with registration in respective professional councils

c. Pharmacology:

- B Pharma/ MBBS/ BDS/ BAMS or equivalent degree with registration in respective professional council

d. Microbiology:

- B.Sc. Clinical Microbiology/ B.Sc. MLT/ B.Sc. Laboratory Medicine/MBBS/ BDS/ BAMS or equivalent degree with registration in respective professional council

e. Biochemistry:

- B.Sc. Clinical Biochemistry / B.Sc. MLT/B.Sc. Laboratory Medicine/MBBS/ BDS/ BAMS or equivalent degree with registration in respective professional council

f. Candidate should score minimum of 50% (Pass Marks) in the Entrance Examinations conducted by Medical Education Commission for being eligible to be in the merit list

B. Exam Format:

a. Single best response type with Multiple choice questions

b. Four options (A, B, C, D)

c. No. of questions - 200

d. Recall: Understanding: Application – 30:50:20

e. Duration – 3 hours including one time voluntary toilet break



C. Weightage :

S.N.	Subjects	Marks
1)	Anatomy	30
2)	Physiology	30
3)	Pathology	30
4)	Biochemistry	30
5)	Microbiology	30
6)	Pharmacology	30
7)	Biostatistics and	30
8)	Research Methodology	20
	Total	200



[10] M. Phil in Clinical Psychology:

A. Eligibility:

- M.A./M.Sc. degree in psychology with clinical or counseling psychology as special focus (papers in psychological assessment, psychopathology/ abnormal psychology, counseling/ psychotherapy) from University recognized by Government of Nepal
- Candidate should score minimum of 50% (Pass Marks) in the Entrance Examinations conducted by Medical Education Commission for being eligible to be in the merit list

B. Exam Format:

- Single best response type with Multiple choice questions
- four options (A, B, C, D)
- No. of questions - 200
- Recall:Understanding:Application – 30:50:20
- Duration – 3 hours including one time voluntary toilet break

C. Weightage :

S.No.	Subjects	Marks
	General Psychology (80)	
1)	• Emotion, motivation, learning	16
2)	• Cognitive (sensation, perception, attention, thinking, memory, states of consciousness, thinking, intelligence, language)	16
3)	• Developmental psychology (physical, cognitive, and socioemotional development across lifespan : child, adolescence, adulthood and late adulthood)	16
4)	• Social/ cross cultural psychology	16
5)	• Personality and major psychological theories (psychodynamic, behavioral, humanistic/existential, cognitive etc)	16
	Research methods in psychology and mental health (40)	0
6)	Qualitative (literature, sampling, design/method, analysis), article publishing, research ethics	20
7)	Quantitative (literature, sampling, design/method, analysis), statistics	20
8)	Clinical (80)	0
9)	Biological/physiological psychology	20
10)	Psychological testing/ assessment	20
11)	Psychopathology/ abnormal psychology	20
12)	Counseling & psychotherapy	20
	Total	200



[11] Masters of Optometry (M. Optom):

A. Eligibility:

- Bachelor of Optometry (B.Optom) degree or Bachelor of Optometry and Vision Science (B.Optom) or Doctor of Optometry (O.D.) or B.Sc in Optometry (B.Sc.Optom) or equivalent degree from a recognized university/institution.
- Registered as an optometrist in Nepal Health Professional Council (NHPC).
- Candidates should score a minimum 50 % marks to pass entrance examinations conducted by Medical Education Commission for being eligible to be in the merit list.

D. Exam Format:

- Single best response type with Multiple choice questions
- Four options (A, B, C, D)
- No. of questions - 200
- Recall: Understanding: Application – 30:50:20
- Duration – 3 hours

B. Weightage :

S.No.	Subjects	Marks
1)	Basic Science and Organ Systems	8
2)	Ocular Anatomy and Physiology	16
3)	Physical and geometrical Optics	10
4)	Visual Science	16
5)	Ocular Disease	16
6)	Diagnostic and investigative optometry	20
7)	Ophthalmic and Dispensing Optics	20
8)	Paediatric Optometry and Binocular Vision	20
9)	Contact Lens and ocular prosthesis	20
10)	Low Vision and visual rehabilitation	20
11)	Community optometry	10
12)	Geriatric optometry and vision care	10
13)	Research Methodology and Biostatistics	8
14)	Ethics & Practice Management in Optometry	6
	Total	200



ANNEX

List of registered postgraduate medical (HPE) programs

MD/MS Programs

- 1) MD Anaesthesiology
- 2) MD Dermatology
- 3) MD Internal Medicine
- 4) MD Obstetrics and Gynaecology
- 5) MD Ophthalmology
- 6) MD Paediatrics
- 7) MD Psychiatry
- 8) MD Radiodiagnosis
- 9) MD / MD Clinical Biochemistry
- 10) MD / MD Clinical Pharmacology
- 11) MD / MD Clinical Physiology
- 12) MD Forensic Medicine
- 13) MD / MD Clinical Microbiology
- 14) MD / MD Clinical Pathology
- 15) MD Radiation Oncology
- 16) MD General Practice & Emergency Medicine
- 17) MS General Surgery
- 18) MS / MS Clinical Anatomy
- 19) MS Orthopedics and Trauma Surgery
- 20) MS Otorhinolaryngology and Head, Neck Surgery
- 21) MD Aryurveda (Kayachikitsa)

MDS Programs:

- 1) MDS Orthodontics and Dentofacial Orthopaedics
- 2) MDS Orthodontics
- 3) MDS Periodontology and Oral Implantology
- 4) MDS Prosthodontics
- 5) MDS Oral and Maxillofacial Surgery
- 6) MDS Conservative Dentistry and Endodontics
- 7) MDS Pedodontics and Preventive Dentistry
- 8) MDS Oral Medicine and Radiology
- 9) MDS Public Health Dentistry Oral Pathology

M.Sc. Nursing

- 1) M.Sc. Nursing (Community Health Nursing)
- 2) M.Sc. Nursing (Psychiatric Nursing)
- 3) M.Sc. Nursing (Maternal Health Nursing)
- 4) M.Sc. Nursing (Child Health Nursing)
- 5) M.Sc. Nursing (Medical Surgical Nursing)

Master of Nursing (MN)

- 1) MN (Women Health Development)
- 2) MN (Midwifery)
- 3) MN (Adult Nursing)
- 4) MN (Paeditric Nursing)
- 5) MN (Psychiatric Nursing)

MPH Programs

- 1) MPH (Master of Public Health)
- 2) MPHN (Master in Public Health Nutrition)
- 3) MHPE (Master in Health Promotion Education)
- 4) M.Sc. in Public Health

MSc. in Basic Medical Science

- 1) MSc. Anatomy / Human Anatomy
- 2) MSc. Physiology / Human physiology
- 3) MSc. Biochemistry / Human Biochemistry
- 4) MSc. Microbiology / Human Microbiology
- 5) MSc. Pharmacology



Other PG Programs

- 1) MSc. Clinical / Medical Microbiology
- 2) MSc. Clinical /Medical Biochemistry
- 3) M. Pharmacy, MSc. Pharmacy
- 4) MSc. MIT
- 5) M. Optometry
- 6) M.Phil. clinical Psychology

DRAFT