

Medical Education Commission (MEC)

MECEE-BL — MBBS / BDS / Nursing / Pharmacy / BPT / BAMS Entrance

OFFICIAL EXAM FORMAT & SYLLABUS 2083

1. Examination Format

Exam	MECEE-BL (Bachelor Level) — Computer-Based Test (CBT)
Duration	3 hours (180 minutes)
Total Questions	200 MCQs
Total Marks	200 (1 mark per question)
Negative Marking	-0.25 per wrong answer
Merit List	Candidates scoring above the 50th percentile
Single Exam For	MBBS, BDS, BSc Nursing, B.Pharm, BPT, BAMS, BPH, BMLT & more
Result	Published ~2-3 weeks after exam

2. Subject-wise Weightage

Physics	50 questions — 50 marks
Chemistry	50 questions — 50 marks
Biology — Botany	50 questions — 50 marks
Biology — Zoology	50 questions — 50 marks
Total	200 questions — 200 marks

3. Detailed Syllabus by Subject

3.1 Physics (50 Questions)

- Mechanics: Kinematics, laws of motion, work-energy, circular motion, gravitation
- Thermal Physics: Heat, temperature, thermodynamics
- Waves & Optics: Wave motion, sound, light, mirrors & lenses, refraction
- Electricity & Magnetism: Current electricity, electrostatics, magnetism, EMI
- Modern Physics: Photoelectric effect, atomic structure, radioactivity, semiconductors
- Error analysis, units & dimensions, measurement

3.2 Chemistry (50 Questions)

- Physical Chemistry: Mole concept, atomic structure, chemical bonding, chemical equilibrium, thermodynamics, electrochemistry, solutions, kinetics
- Inorganic Chemistry: Periodic table & periodicity, s/p/d-block elements, coordination compounds, qualitative analysis basics

- Organic Chemistry: Hydrocarbons, haloalkanes & haloarenes, alcohols/phenols/ethers, aldehydes/ketones, carboxylic acids, amines, biomolecules, polymers

3.3 Biology — Botany (50 Questions)

- Cell biology: Cell structure, organelles, cell division (mitosis & meiosis)
- Plant physiology: Photosynthesis, respiration, transpiration, plant hormones, mineral nutrition
- Plant anatomy & morphology, plant classification (taxonomy)
- Genetics: Mendelian inheritance, DNA/RNA basics, mutation
- Ecology & environment basics, plant diseases & pathogens

3.4 Biology — Zoology (50 Questions)

- Animal kingdom classification: Protozoa to Chordata (phylum-wise)
- Human physiology: Digestion, respiration, circulation, excretion, nervous system, endocrine system, reproduction
- Genetics: Mendelian genetics, chromosomal basis, human disorders
- Immunology basics: Immunity types, vaccines, immune disorders
- Applied biology: Public health, parasites, zoonotic diseases

4. Eligibility & Application

Academic Requirement	50%+ aggregate in +2 with Physics, Chemistry, Biology (PCB)
GPA Requirement	Minimum 2.4 GPA in +2
Minimum Age	17 years by August 31 of the admission year
Application Fee	Rs. 6,000 (one-time, covers all programs)
Application Portal	entrance.meded.gov.np
Registration Window	Opens ~Chaitra (April), exam ~Ashoj (October)

5. Merit & Seat Allocation

- Rank bands 2082: Top ~100 → government MBBS (IOM, BPKIHS, PAHS) on scholarship
- Top ~500 → private MBBS/BDS paying seats
- ~500-2000 → BDS, BSc Nursing, B.Pharm, BPT, BAMS, allied health
- Seat breakdown: ~2,635 total MBBS seats, ~691 government scholarship seats
- 2082 reference: highest score 185/200; merit-list cutoff 52.25 marks
- Counselling: centralized, multiple rounds, college preference based on rank

6. Important Dates (2083 Cycle)

Application opens	2083 Chaitra (~April 2026)
Application closes	2083 Ashoj (~October 2026)
Exam date	~Ashoj 2083 (October)
Result	~2-3 weeks after exam
Counselling	Multiple rounds after merit list