ENTRANCE EXAMINATION SYLLABUS:

Admission of Bachelor's of Information Technology (BIT) course will be on the merit based on the entrance examination conducted by the university. The total weight (merit ranking) of entrance exam procedure will be based on questions and score from SEE, plus two (10+2) level courses, grade, and entrance exam.

The syllabus for entrance examination will be based on the SEE and SLC (10+2) level courses. Multiple-choice questions will be asked based on the following marks distribution.

Categories	SEE Level	10+2 Level	Remarks
Mathematics	25%		Entrance
English	-	25%	Entrance
Science	30%		Entrance
IQ on Basics of Information Technology and GK	20%		Entrance
Exam Duration	-	-	120 minutes
Exam Full Marks	-	-	100 marks

Multiple-choice questions will be asked based on the syllabus for entrance exam as follows:

Mathematics

Sets, arithmetic (time and work, profit and loss, compound interest, population growth and compound depreciation), mensuration (area of triangle, triangular prism, cylinder, sphere and hemisphere, cone, pyramid), algebra, geometry (triangle, construction, circle, experimental verification of theorems), trigonometry, limits and continuity, derivatives, applications of derivatives, vector, statistics, and probability.

English

Grammar (part of speech, articles, transformation, question tags, suffix and prefix, conditionals, prepositions, reported speech, causative verb, relative clause, word stress rule and syllables, subject-verb agreement, active and passive voice, direct and indirect speech, collective noun), writing (essay, story, email, and letter), narration (sequence of events, describe tables, graphs and charts), article reading (read, analyze, interpret, evaluate and summarize information), and structure and organization of the text.

Science

Physics (force, pressure, energy, heat, light, wave motion, electrostatics, electricity and magnetism), Chemistry (elements, reactions and equations, acid, base, salt, gases, metals, carbons, carbon compounds, atomic structure, periodic table, states of matter), Biology (human body and systems, reproduction, genetics and chromosome system, circulation system, animal kingdom and classes), Environment (universe, solar system, planets, earth, atmosphere, GPS, satellite, stars, galaxies, and the universe inner space, earthquake, volcano), etc.

IQ (Basics of Information Technology/Computer Science)

IT and its applications, cyber law and computer ethics, networking and telecommunication, internet and its services, computer security, computer virus, multimedia and its applications, computer number system, and developments of information technology in Nepal, e-governance, social network, artificial intelligence (AI), machine learning etc.

Merit list and admission criteria:

40% and above score of entrance examination is the 'Pass' score.

Merit list will be formulated based on entrance exam score (80%) as well as SEE (10%) and Grade XII (10+2) scores (10%). Admission will be only on merit based.