

Entrance Examination Guidelines

Bachelor of Information Technology (BIT)

Introduction:

Admission to the Bachelor of Information Technology (BIT) course will be based on merit, determined by the entrance examination conducted by the university. The overall weight (merit ranking) of the entrance exam procedure will be based on the questions and scores from the Secondary Education Examination (SEE), SLC (Grade XII) level courses, grades, and the entrance exam.

The syllabus for the entrance examination will be based on the SEE and SLC (Grade XII) 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 and Basics of Information Technology and General Knowledge	10 %		Entrance
Overall Percentage/Grade	5%	5%	Previous academic records
Exam Duration			75 minutes
Exam Full Marks			100 marks

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

CONTENTS

.....

Mathematics:

Sets, arithmetic (time and work, profit and loss, compound interest, population growth, and compound depreciation), mensuration (area of a triangle, triangular prism, cylinder, sphere and hemisphere, cone, pyramid), algebra, geometry (triangle, construction, circle, experimental verification of theorems), trigonometry, 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 rules 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, describing tables, graphs, and charts), article reading (reading, analyzing, interpreting, evaluating, and summarizing information), and structure and organization of the text.

Science:

Science courses (Physics, Chemistry, and Biology) of SLC (Grade XII) based on the Higher Secondary Education Board (HSEB) syllabus and detailed curriculum of Nepal. Physics (force, pressure, energy, heat, light, electricity, and magnetism), Chemistry (elements, reactions and equations, acid, base, salt, gases, metals, carbons, carbon compounds), Biology (human body and systems, reproduction, genetics and chromosome system, circulatory system, animal kingdom and classes), Environment (universe, solar system, planets, earth, atmosphere, GPS, satellite, stars, galaxies, and the universe's inner space, earthquakes, volcanoes), 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 viruses, multimedia and its applications, computer number systems, developments of information technology in Nepal, artificial intelligence (AI), machine learning, smart city, etc.

Merit list and admission criteria:

A score of 40% and above in the entrance examination is considered a 'Pass' score.

The merit list will be formulated based on the entrance exam score (90%) as well as the SEE (5%) and SLC (Grade XII) scores (5%). Admission will be based solely on merit.