



Bagmati Province University

Faculty of Management and Law

BUCAT – Management Related Master’s Program Entrance Test

Introduction

The Bagmati University Common Admission Test (BUCAT) for Management Related Master’s Programs is a comprehensive entrance examination designed to assess the academic readiness and analytical capabilities of candidates seeking admission to various postgraduate programs at Bagmati Province University. This standardized test evaluates candidates across multiple dimensions including quantitative reasoning, verbal proficiency, data interpretation skills, and critical thinking abilities.

The BUCAT – Management Related Master’s Program Entrance Test serves as a fair and objective measure to identify talented individuals who demonstrate the intellectual rigor and problem-solving skills necessary for success in advanced academic pursuits. By aligning with international testing standards, particularly the GMAT framework, BUCAT ensures that admitted students possess the foundational competencies required for rigorous graduate-level coursework and research.

Test Structure Overview

The BUCAT – Management Related Master’s Program Entrance Test is structured into four distinct sections, each designed to evaluate specific competencies essential for graduate-level academic success.

The test comprises a total of 76 questions of 100 marks and is administered over a duration of 2 hours. The first three sections are Data Insights, Quantitative, and Verbal, each contain 25 multiple-choice questions to be completed in 30 minutes each, with negative marking of 0.25 points for incorrect answers to discourage random guessing.

The fourth section, Critical Analysis, requires candidates to compose a comprehensive analytical essay within 30 minutes, demonstrating their ability to evaluate arguments, identify logical fallacies, and construct coherent written responses. This balanced assessment framework ensures a holistic evaluation of candidates' analytical, mathematical, linguistic, and critical

thinking capabilities, providing admissions committees with reliable indicators of academic potential and readiness for postgraduate studies.

Table 1: Test structure

Section	Questions	Marks	Duration	Negative Marking
Data Insights	25	25	30 minutes	-0.25 per wrong answer
Quantitative	25	25	30 minutes	-0.25 per wrong answer
Verbal	25	25	30 minutes	-0.25 per wrong answer
Critical Analysis	1 Essay	25	30 minutes	No negative marking
TOTAL	76	100	2 hrs	-

Section 1: Data Insights

25 Questions | 25 Marks | 30 minutes

Topic Area	Number of Questions	Content Coverage
Data Sufficiency 	8-10	<ul style="list-style-type: none"> Determining if given data is sufficient to answer a question Analyzing relationships between variables Logical reasoning with quantitative data
Table Analysis	5-6	<ul style="list-style-type: none"> Interpreting data from sortable tables Identifying trends and patterns Making comparisons across categories
Graphics Interpretation	5-6	<ul style="list-style-type: none"> Reading bar charts, line graphs, pie charts Scatter plots and trend analysis Multi-source reasoning
Two-Part Analysis	5-6	<ul style="list-style-type: none"> Solving problems with two components Trade-off scenarios Simultaneous equations and relationships

Section 2: Quantitative

25 Questions | 25 Marks | 30 minutes

Topic Area	Number of Questions	Content Coverage
Arithmetic	8-10	<ul style="list-style-type: none">Percentages, ratios, and proportionsProfit & loss, simple & compound interestAverages, mixtures, and allegationsNumber properties (divisibility, factors, primes)
Algebra	8-10	<ul style="list-style-type: none">Linear and quadratic equationsInequalities and absolute valuesFunctions and sequencesWord problems
Geometry	4-5	<ul style="list-style-type: none">Lines, angles, and trianglesCircles, rectangles, and polygonsCoordinate geometry basicsArea, perimeter, and volume
Data Analysis	3-4	<ul style="list-style-type: none">Probability and combinationsPermutationsStatistics (mean, median, mode, range, standard deviation)

Section 3: Verbal

25 Questions | 25 Marks | 30 minutes

Topic Area	Number of Questions	Content Coverage
Reading Comprehension	10-12	<ul style="list-style-type: none">3-4 passages (200-350 words each)Topics: Social sciences, business, humanities, natural sciencesQuestion types:<ul style="list-style-type: none">Main idea and primary purposeSpecific details and inferencesAuthor's tone and attitudeApplication and extrapolation
Critical Reasoning 	8-10	<ul style="list-style-type: none">Argument structure and evaluationStrengthen/weaken argumentsAssumptions and conclusionsInference and paradox resolutionCause and effect relationships
Sentence Correction	5-6	<ul style="list-style-type: none">Grammar and usageSubject-verb agreementPronoun usage and modifiersParallelism and idiomsLogical expression

Section 4: Critical Analysis

1 Essay | 25 Marks | 45 minutes

Format: Analysis of an Argument

Task: Candidates will be presented with a brief argument (1000-1200 words) and must:

1. Analyze the reasoning and evidence presented
2. Identify logical flaws and assumptions
3. Evaluate the strength of the argument
4. Suggest improvements or alternative perspectives

Sample Topics for Critical Analysis

1. Universities should eliminate letter grades and adopt pass/fail systems to reduce student stress.
2. Remote work increases productivity and should be mandatory for all office-based jobs.
3. Social media platforms should be held legally responsible for user-generated content.
4. AI-powered tools like ChatGPT should be banned in academic settings as they undermine critical thinking and original work.
5. Companies should be required to disclose when AI systems are making decisions that affect employment, lending, or healthcare.
6. The development of artificial general intelligence (AGI) poses an existential threat to humanity and should be heavily regulated or halted.
7. Educational institutions should embrace AI tutors and personalized learning systems to replace traditional classroom instruction.
8. Governments should implement universal basic income (UBI) to address widespread job displacement caused by AI automation.