



GOA UNIVERSITY

Taleigao Plateau, Goa - 403 206 INDIA

Established by State Legislature by Notification No. LD/10/7/84 (D) of year 1984
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The Candidates are requested to appear for a written test scheduled on 29.11.2018 at 10.30 a.m. for the post of Laboratory Technician in the Goa University. Refer Goa University website www.unigoa.ac.in for venue three days before the written test.

The candidates will be shortlisted based on the performance in the written test. Only those candidates who secure 40% in Section A (Konkani Language) will be considered for shortlisting. In the event of tie, such cases will be resolved by applying following criteria in the order one after another, till the tie is resolved:

- (i) Performance in Section B (----)
- (ii) Performance in Section C (-----)
- (iii) Date of Birth, i.e. older candidate is placed higher in the merit list

The selection of the shortlisted candidates will be subject to the condition that they fulfil the eligibility criteria as per the Information Brochure of the advertisement.

You are required to remain present for the written test sharp at 9.30 a.m. at your respective venue viz block and room alongwith the hall ticket as per instructions given therein.

No interview will be conducted for the final selection of the candidates. The performance in the written test will be basis for the merit list and final selection.

Hall ticket to be downloaded through login portal as registered at the time of filling up application form. Any assistance if required, you may contact on 8669609022/8669609069 or email arnonteach@unigoa.ac.in.

No TA/DA will be paid for attending the written test.

No intimation in hard copy will be sent to the individual.

Sd/-
(Prof. Y. V. Reddy)
REGISTRAR

Syllabus for Written Test (MCQ) for the Post of “Laboratory Technician”

1. Question paper will be of MCQ pattern. Candidate has to mark the correct answer on the OMR sheet. All the questions are compulsory. Duration for the paper will be 2 hours. Instructions for filling the OMR sheet shall be issued separately.

Written test will be of 100 marks. Composition of questions shall be as follows:

Section	Subject	No. of questions	Question order	Marks	Remark
A	Konkani Language (Basic Knowledge)	10	1-10	10	For Section F: 15 questions of 1 mark each – Physics, Chemistry, Biology
B	Science (Class 9 th to 12 th as per Goa Board).	45	11 – 55	45	
C	General Ability	45	55 – 100	45	
	TOTAL	100		100	

2. Each correct answer will carry **1 mark** and each wrong answer will get **-0.25** (negative quarter mark).
3. The candidates will be shortlisted based on the performance in the written test. Only those candidate who scored 40% in Section A (Konkani Language) will be considered for shortlisting. In the event of tie, such cases will be resolved by applying following criteria one after another, till the tie is resolved:
 - (i) Performance in Section B (Science)
 - (ii) Performance in Section C (General Ability)
 - (iii) Date of Birth, with older candidate is placed higher

Section A – Konkani Language (Basic Knowledge) (10 questions)

1. कोंकणी व्याकरण : लींग, एकवचन, भोववचन, काळ, वाक्यविचार (Konkani Grammar)
2. शुध्दलेखनःाचे नेम (Konkani Orthography)
3. कोंकणी आंकडे. (Konkani Numbers)
4. कार्यालयीन इंग्लीश - कोंकणी उतरावळ. (Administrative Terminology)

Section B – Science (Class 9th to 12th as per Goa Board): (45 questions)

Knowledge based on syllabus content of Subject “Science” at the level 9th and 10th and Subjects “Physics, Chemistry, Biology” at level 11th and 12th of Goa Board will be assessed.

Section C – General Ability (45 questions)

General Intelligence: (10 questions)

Questions on analogies, similarities and differences, space visualization, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are, Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Classification, Symbolic/Number Classification, Figural Classification, Semantic Series, Number Series, Figural Series, Problem Solving, Coding & de-coding, Numerical Operations, symbolic Operations, Trends, Space Orientation, Space Visualization, Venn Diagrams, Drawing inferences, Punched hole/pattern – folding & unfolding, Figural Pattern – folding and completion, Indexing, Address matching, Date & city matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence, Other subtopics, if any.

General Awareness / Current Affairs: (05 questions)

Questions in this component will be - general awareness of the environment around us and its application to society, knowledge of current events and of such matters of every day observations and experience in their scientific aspect, related to India and its neighbouring countries especially pertaining History, Culture, Geography, Economic Scene, General Polity including Indian Constitution & Scientific Research.

English Language (Basic Knowledge): (10 questions)

Understanding and knowledge of English Language, vocabulary, grammar, sentence structure, spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, close passage & comprehension passage.

Quantitative Aptitude (Basic Arithmetic Skills): (10 questions)

Appropriate use of numbers and number sense, computation of whole numbers, decimals, fractions and relationships between numbers, Percentage. Ratio & Proportion, Square roots, Averages, Interest, Profit and Loss, Discount, Partnership Business, Mixture and Alligation, Time and distance, Time & Work, Basic algebraic identities of School Algebra & Elementary surds, Graphs of Linear Equations, Triangle and its various kinds of centres, Congruence and similarity of triangles, Circle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Sphere, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency polygon, Bar diagram & Pie chart.

Computer Knowledge: (10 questions)

Knowledge based on handling, operating and usage of computers, Windows, MS-Office, MS-Word, MS-PowerPoint, Internet Usage, MS Excel, Computer software, Computer hardware – components of computer and peripheral and their working.