

**CENTRAL UNIVERSITY OF KARNATAKA**  
**Notification No. 24/2019, Dated:04-09-2019**  
Syllabus for Post of **LABORATORY ASSISTANT**

**LABORATORY ASSISTANT**

Standard of question paper will be 10+

The written examination will consist of an **Objective Type Paper** of 100 Multiple Choice Questions (MCQs) divided into parts I and II of 40 and 60 MCQs each.

Part	Subject	Maximum Marks	Duration
Part-I	General Knowledge, General English, Numerical Aptitude, General Intelligence & Reasoning	40	2 Hrs.
Part-II	Knowledge of Computer	60	
	<b>Total</b>	<b>100</b>	

**PART-I**

**A. General Knowledge**

Questions in this component will be aimed at testing the candidate's general awareness of the environment around him. Questions will also be designed to test knowledge of current events and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India especially pertaining to Sports, History, Culture, Geography, Economic Scene, General Polity, Indian Constitution and Scientific Research etc. These Questions will be such that they do not require a special study of any discipline.

**B. General English**

Candidates' ability to understand English language, its vocabulary, sentence structure, synonyms, antonyms and its correct usage etc. Basic comprehension and writing ability, etc. will be tested.

**C. Numerical Aptitude**

This paper will include questions on problems relating to Number Systems, Computation of Whole Numbers, Decimals and Fractions and relationship between Numbers, Fundamental arithmetical operations, Percentages, Ratio and Proportion, Averages, Interest, Profit and Loss, Discount, Mensuration, Time and Distance, Ratio and Time, Time and Work, etc.

**D. General Intelligence & Reasoning**

Questions of verbal, non-verbal and analytical types, analogies, syllogism, similarities, differences, missing numbers, characters and sequences, space visualization, problem solving, analysis, decision making, visual memory, discrimination, observation, relationship concepts, direction sense, coding-decoding, arithmetical reasoning, verbal and figure classification, data representation and analysis, arithmetical number series.

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**PART-II**

Knowledge of laboratory safety practices, Preparation of normal and molar solutions, sample preparation: wet digestion & dry ashing

Analytical analysis of important parameters: pH, Turbidity, Electrical Conductivity, Alkalinity. Acidity, Total Solid, Total Dissolved Solid, Total Suspended Solid, Hardness, Free CO<sub>2</sub>, Dissolved Oxygen, Biochemical Oxygen Demand, Chemical Oxygen Demand, Phosphate, Nitrate, Ammonia, Sulphate, Iron.

**Skill Test: Basic Lab Test**