

CENTRAL UNIVERSITY OF KARNATAKA

Notification No. 24/2019, Dated:04-09-2019

Syllabus for Post of Technical Assistant (Computer)

TECHNICAL ASSISTANT (COMPUTER):

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	
Total		100	

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

Computer/IT Proficiency: Computer Fundamentals: Generations, H/W, S/W, Number Systems and their base conversions, sign-magnitude, 1's com complement and floating point representation of numbers. ASCII, EBCDIC and Unicode, BCD Codes.

Digital Logic: Boolean algebra, simplification of Boolean functions, logic gates, combinational and sequential circuits, memory system, I/O devices.

Data Base Systems: Concepts of databases, DBMS, normalization, MS-SQL,

Operating System: Concepts, different types, functions, Windows OS, MS-Office, Word, Excel, PowerPoint, Outlook Software Engg. (SDLC) with thorough knowledge of s/w testing.

Computer Network: Basic concepts topology types, Data Communications, N/W Security, Online Transaction Security, OSI Model devices and Protocols, Transmission.

Skill Test: Knowledge of Database, Networking and Internet