

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

ASSISTANT ENGINEER

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

Part	Subject	Maximum Marks	Duration
Part I	General English, General Knowledge, Numerical Aptitude & Reasoning	40	2 Hrs
Part II	Knowledge of the domain area	60	
Total		100	

Part-I

- A. General English:** Questions in this component will be designed to test the Candidate's understanding and knowledge of English Language like Error recognition, Fill in the blanks (using verbs, preposition, articles etc.), One word substitution, Improvement of Sentences, Vocabulary, Spellings, Grammar, Sentence Structure, Synonyms, Antonyms, Sentence Completion, Phrases and Idiomatic use of words, Comprehension of Passages, as may be expected of a well-educated person who has not made a special study of the subject.
- B. General Studies:** Questions will be designed to General Studies viz., General Science, current events of national and international importance, History of India and Indian National Movement, India and World Geography, Indian Polity & Economy, General Mental Ability, Central University of Karnataka, Indian States, India and other countries.
- C. Numerical Aptitude & Reasoning:** The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be the computation of whole numbers, decimals and fractions and relationships between numbers. It will test sense of order among numbers, ability to translate form one name to another, sense or order of magnitude, estimation or prediction of the outcome of computation, selection of an appropriate operation for the solution of real life problems and knowledge of alternative computation procedures to find answers. The questions would also be based on arithmetical concepts and relationship between numbers and not on complicated arithmetical computation. On general reasoning, the candidates will be tested on reasoning and analytical abilities.

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PART-II

Building Materials and Construction, Solid Mechanics, Graphic Static, Structural Analysis, Design of Metal Structure, Design of Concrete and Masonry Structure, Fluid Mechanics, Water Resources Engineering, Soil Mechanics and Foundation Engineering and their general principles, Transportation Engineering, Environmental Engineering, Construction Planning and Management.

and

Knowledge of Electrical installations such as distribution system , transformers , motor starters, MCB, switchgear, wiring, A.C (Central, localized), Lighting, Protection against lightening, Water conservation, Water management, Contracting, e-tendering, D.C. rates.

Skill Test: Not Applicable