Test Structure and Syllabus

CoCubes
An Aon Company

Module Type	Duration	Sections	# of items	Topics
Aptitude Module	45 mins	English Usage	15	Reading Comprehension; Grammar including Articles, Prepositions, Sentence Correction, Speech, Tenses; Verbal Ability including Synonyms, Antonym, Spellings, Idioms and Phrases
		Analytical Reasoning	15	Visual Reasoning, Statement & Conclusions, Relationships, Logical Reasoning, Attention to Details and Flowcharts
		Numerical Reasoning	15	Concepts of Mathematics including Time & Work, Speed & Distance, Algebra, Equations, Progressions, Profit & Loss, Ratio, Averages, Geometry and Data Interpretation
Computer Fundamentals	15 mins		15	Pseudocode, Email and Email Applications, Basic Database Awareness, Computer Hardware and Software, Computer Applications, Network and IT Literacy
Psychometric Module	12 mins		50	Behavioral profiling based on commonly known personality traits
Domain Module	20 mins	Civil	20	Building Materials, RCC Design, Theory of Design & Structures, Soil Mechanics & Foundation, Construction Scheduling, Water Resource Engg. / Hydrology, Geotechnical Engg. and Environmental Engg.
		Electrical	20	Electrical Machines, EMMI, Network Analysis and Synthesis, Control Systems, Digital Electronics, Power Electronics, Power System and Instrumentation, Micro-controller and Microprocessor
		Mechanical	20	Thermodynamics, Design of Machine Members, IC Engines and Compressors, Theory of Machine, Engineering Material/ Meteorology, Strength of Materials, Fluid Mechanics, Manufacturing Process
		Electronics	20	Electronic Devices & EM MI, Network Analysis and Synthesis, Microprocessor & Micro controllers, Digital Electronics, Communication System, Control System
		Computer Science	20	C, C++, OOPS Concepts, Data Structures, DBMS concepts, Operating System Concepts, Design and Analysis of Algorithms, Networking Concepts, Computer Architecture
		Chemical	20	Chemical Thermodynamics and Reaction engineering, Fluid Dynamics, Heat and Mass Transfer, Industrial Chemistry, Polymers, Process Dynamics, Control and Measurements, Reaction Kinetics
Coding Module	45 mins		3	Writing codes to solve a set of problems in language of choice: C, C++, C#, Java
Written English Test (WET)	25 mins		1	Candidate has to write his/her views on simple topics of general awareness. English Grammar, Sentence Construction and Vocabulary are assessed along with relevance to topic and adherence to word limit. Example of a topic - Should schools have uniforms?