SYLLABUS FOR LABORATORY ASSISTANT EXAMINATION
UNDER COMMERCE & INDUSTRIES DEPARTMENT

GENERAL ENGLISH (100 marks)
(a) Essay Writing (Conventional) ................................................................. 20 Marks
(b) Idioms & Phrases (Objective Type) .................................................... 16 Marks
(c) Comprehension of given passages (Objective Type) ....................... 16 Marks
(d) Grammar (Objective Type) ................................................................. 16 Marks
   Parts of Speech: Nouns, Adjective, Verb, Adverb, Preposition, etc.
(e) Composition (Objective Type) ............................................................ 16 Marks
   i) Analysis of complex and compound sentences
   ii) Transformation of sentences
   iii) Synthesis of sentences
(f) Correct usage and vocabularies (Objective Type) ............................ 16 Marks

Technical Paper – I: (150 Marks) (MCQ)

Unit I – Physics: (50 Marks)

combined gas law, Specific heat, Heat capacity, Latent heat, Conduction, Convection, Radiation, Newton's law of cooling, Black body, Kirchoff's law, Stefan's law.

Unit II - Chemistry: (50 Marks)


Unit III - Biology: (50 Marks)

Technical Paper – II (150 Marks) (MCQ)

Unit I – Physics (44 Marks)


Unit II – Chemistry (44 Marks)


Unit III – Biology (42 Marks)


Unit III – Aptitude Test 20 marks

○ Numerical And Figurework Tests: (4 Marks)
These tests are reflections of fluency with numbers and calculations. It shows how easily a person can think with numbers. The subject will be given a series of numbers. His/Her task is to see how the numbers go together to form a relationship with each other. He/She has to choose a number which would go next in the series.

○ Verbal Analysis And Vocabulary Tests: (6 Marks)
These tests measure the degree of comfort and fluency with the English language. These tests will measure how a person will reason with words. The subject will be given questions with alternative answers, that will reflect his/her command of the rule and use of English language.

○ Visual And Spatial/3-D Ability Tests: (4 Marks)
These tests are used to measure perceptual speed and acuity. The subject will be shown pictures where he/she is asked to identify the odd one out; or which comes next in the sequence or explores how easily he/she can see and turn around objects in space.

○ Abstract Reasoning Tests: (6 Marks)
This test measures the ability to analyse information and solve problems on a complex, thought based level. It measures a person’s ability to quickly identify patterns, logical rules and trends in new data, integrate this information, and apply it to solve problems.