

Syllabus for ADAM Entrance and Practical Test **ADAM-2020-21 BATCH**

Syllabus for written Entrance Test:- (Total 125 Marks)

(Questions for all following syllabus based on Multiple Choice Questions (MCQ). No negative marking scheme.

Basic Automotive: - (25 Marks)

Working and constructional features of C.I. and S.I. engines, Transmission, Braking system, Steering and suspension system, Wheels & Tires.

Basic Physics :-(25 Marks)

Force, Velocity & acceleration, Time & Work, scalar & vector quantity, Friction, rating of battery, Electrical circuit, Electric resistance, Inductance, Capacitance & their units, Mutual inductance, Ohms Law, Electric work, power & Energy, connection of Ammeter & Voltmeter, Semiconductor, Welding Process & alloys

Analytical reasoning (25 Marks), Numerical ability (25 Marks), Aptitude Test (25 Marks)

Syllabus for Practical Test :- (Total 50 Marks)

1. Isometric, orthographic projections & its symbols, **(10 Marks)**
2. Measurements using vernier caliper **(10 Marks)**
3. Measurements using Multimeter **(10 Marks)**
4. Skill test. **(20 Marks)**