



**ACE**<sup>®</sup>  
**Engineering Academy**  
Leading Institute for ESE/GATE/PSUs

# TSPSC

## ASSISTANT MOTOR VEHICLE INSPECTORS

### *Online* Test Series

#### Mechanical Engineering - Schedule

<b>No.of Tests : 23</b>	
<b>Subject Wise Tests</b>	<b>17</b>
<b>Full Length Mock Tests</b>	<b>6</b>

**Note:**

- ★ The Syllabus considered as per Notification of TSPSC-AMVI. ACE Engineering Academy does not take any responsibility for deviations in syllabus in the final exam.
- ★ The Dates of Tests may Change according to the TSPSC-AMVI Exam schedule.
- ★ All Tests will be active till TSPSC-AMVI Examination.
- ★ *Test series available in ENGLISH medium only.*
- ★ Tests will be activated at 06:00 pm on the scheduled day.

## Subject-wise Tests

**(No. of Questions: 30, Time duration: 30 Minutes)**

Test No	Name of the Test	Max Marks	Date of Activation
Test-01	<b>Thermal Engineering:</b> Thermodynamic Laws, Thermodynamic Processes, Air Standard Cycles, Fuels & combustion.	60	15-08-2022
Test-02	<b>Machine Design:</b> Bolts & Nuts, Torsion in shafts & springs - Keys and couplings - Gears - Cams - Governors and Fly wheels - Design of Automobile Components.	60	18-08-2022
Test-03	<b>General Studies and General Abilities-1:</b> Society, Culture, Heritage, Arts and Literature of Telangana. Policies of Telangana State.	30	21-08-2022
Test-04	<b>Automobile Power Plants:</b> Performance of IC Engines, Engine Construction, IC Engines - classification, Combustion Chambers; Various IC Engine systems - Lubrication, cooling, fuel (petrol & diesel engines), Inlet & Exhaust Systems	60	22-08-2022
Test-05	<b>General Studies and General Abilities-2:</b> Economic and Social Development of India and Telangana. Socio-economic, Political and Cultural History of Telangana with special emphasis on Telangana Statehood Movement and formation of Telangana state.	30	28-08-2022
Test-06	<b>Automobile Chassis, Body &amp; Transmission System:</b> Chassis frame - Steering, Brakes, Suspension systems - Body Design & construction - Clutch - Gearbox - Propeller Shaft & Universal Joints - Final drive - Differential - Front Axle - Rear Axle - Wheels & Tyres.	60	29-08-2022
Test-07	<b>General Studies and General Abilities-3:</b> Physical, Social and Economic Geography of India. Physical, Social and Economic Geography and Demography of Telangana.	30	04-09-2022
Test-08	<b>Automobile Servicing and Maintenance, Automobile Electrical Systems:</b> Garage & Service station tools and equipment - Servicing & maintenance procedures - Servicing and Maintenance of 2 & 4 wheelers - Automobile Reconditioning Equipment - Reconditioning of Diesel FIP & Injectors - Vehicle Testing & Diagnosis - Automotive Emission and Control - Fundamentals of Electrical Technology - Basic Electronic Devices - Batteries - Ignition System - Generating System - Starting Motor - Wiring Systems, Lighting and Accessories.	60	05-09-2022
Test-09	<b>General Studies and General Abilities-4:</b> General Science; India's Achievements in Science and Technology. Environmental issues; Disaster Management- Prevention and Mitigation Strategies.	30	11-09-2022
Test-10	<b>Engineering Mechanics &amp; Strength of Materials:</b> Application of Statics - Friction - Simple Machines - Basic Link Mechanism - Transmission of Power - Simple Stresses & Strains - Geometrical properties of Sections - S.F. & B.M. Diagrams.	60	12-09-2022

Test No	Name of the Test	Max Marks	Date of Activation
Test-11	<b>General Studies and General Abilities-5:</b> Socio-economic, Political and Cultural History of Modern India with special emphasis on Indian National Movement. Indian Constitution; Indian Political System; Governance and Public Policy.	30	18-09-2022
Test-12	<b>Motor Transport Organisation &amp; Industrial Management &amp; Entrepreneurship:</b> Management Principles - Organisational Structure - Operations - Fleet Planning - Bus & Crew Scheduling - Transport Economics - Traffic and Fares - Legal Aspects of Motor Transport - Production Management - Material Management - Industrial Legislation & Safety - ISO 9000 & TQM - Entrepreneur Development.	60	19-09-2022
Test-13	<b>General Studies and General Abilities-6:</b> Current affairs – Regional, National and International. International Relations and Events.	30	25-09-2022
Test-14	<b>Special Purpose Vehicles &amp; basic hydraulics:</b> Purpose and Types of SPVs - Farm Tractors - Earth Moving Vehicles - Fluid properties - Flow of Fluids - Oil power hydraulics & pneumatics - Hydraulic machinery.	60	26-09-2022
Test-15	<b>General Studies and General Abilities-7:</b> Logical Reasoning; Analytical Ability and Data Interpretation. Basic English. (10th Class Standard)	30	02-10-2022
Test-16	<b>Engineering Materials:</b> Mechanical properties & testing of materials - Iron-Carbon Equilibrium Diagram - Manufacture of Iron & Steel - Heat Treatment - Ferrous & non-Ferrous Metals & Alloys	60	03-10-2022
Test-17	<b>Production Technology:</b> Welding - Lathe and Lathe work - Drilling - Milling - Gear Making - Grinding - Jigs & Fixtures - Modern Machining Processes - Foundry - Casting - Forging - Mechanical Working of Metals.	60	10-10-2022

## Full Length Mock Test Series

**(No. of Questions: 150, Time duration: 150)**

Test-18	Mock-1 PAPER-I (General Studies & General Abilities)	150	16-10-2022
Test-19	Mock-1 PAPER-II (Engineering Discipline)	300	17-10-2022
Test-20	Mock-2 PAPER-I (General Studies & General Abilities)	150	23-10-2022
Test-21	Mock-2 PAPER-II (Engineering Discipline)	300	24-10-2022
Test-22	Mock-3 PAPER-I (General Studies & General Abilities)	150	30-10-2022
Test-23	Mock-3 PAPER-II (Engineering Discipline)	300	31-10-2022