





**ACE**  
Engineering Academy  
(Leading institute for ESE/GATE/PSUs)

# AP GRAMA/WARD SACHIVALAYAM-2019

## **Online** Test Series

*Civil Engineering*

*No. of Tests : 15*

 Subject Wise Tests	11
 Full Length Mock Tests	4

### TEST SERIES HIGHLIGHTS

- ★ Rank will be given for each test.
- ★ Test wise and overall statistics.
- ★ Comparison with toppers.
- ★ Question wise and test wise time analysis & comparison with toppers on time management.

## Subject-wise Tests

*Tests will be activated at 6:00 pm on scheduled day*

Test No	Subject Name	No. of Questions	Max Marks	Duration	Date of Activation
Test-01	General Science and its applications to the day to day life, Contemporary development in science and Technology and information Technology. + Current affairs of regional, national and International importance.	30	30	30 Min	02-08-2019
Test-02	Drawing-1	30	30	30 Min	03-08-2019
Test-03	Drawing-2	30	30	30 Min	04-08-2019
Test-04	History & Culture of India with specific focus on AP + Society, Social justice, rights issues	30	30	30 Min	05-08-2019
Test-05	Detailing-1	30	30	30 Min	06-08-2019
Test-06	Detailing-2	30	30	30 Min	07-08-2019
Test-07	Indian polity and governance: constitutional issues, 73/74th Amendments, public policy, reforms ad centre – state relations with specific reference to Andhra Pradesh + Key welfare & development schemes of Government of Andhra Pradesh.	30	30	30 Min	08-08-2019
Test-08	Detailing-3	30	30	30 Min	09-08-2019
Test-09	Physical geography of Indian sub-continent and Andhra Pradesh.	30	30	30 Min	10-08-2019
Test-10	Surveying	30	30	30 Min	11-08-2019
Test-11	General Mental ability and reasoning + Quantitative aptitude including data interpretation + General English	30	30	30 Min	14-08-2019

## Full Length Mock Tests

Test No		No. of Questions	Max Marks	Duration	Date of Activation
Test-12	Full Length Mock Test-1	150	150	2 Hours 30 Min	17-08-2019
Test-13	Full Length Mock Test-2	150	150	2 Hours 30 Min	21-08-2019
Test-14	Full Length Mock Test-3	150	150	2 Hours 30 Min	25-08-2019
Test-15	Full Length Mock Test-4	150	150	2 Hours 30 Min	28-08-2019

Note: The Syllabus considered as per Notifications of APGWSR. ACE Engineering Academy does not take any responsibility for deviations in syllabus in the final APGWSR exam. As per Notification of APGWSR each question carries '1' mark and negative marking of 1/4rd (i.e. 0.25 Marks) for each wrong answer.

## ***Syllabus for General Studies & Mental Ability (Part-A)***

<b>Subject Name</b>	<b>Syllabus</b>
<b>GENERAL STUDIES AND MENTAL ABILITY</b>	<ol style="list-style-type: none"><li>1. General Mental ability and reasoning.</li><li>2. Quantitative aptitude including data interpretation.</li><li>3. General English.</li><li>4. Current affairs of Regional, National and International importance.</li><li>5. General Science and its applications to the day to day life, contemporary development in science and technology and information technology.</li><li>6. History and culture of India with specific focus on A.P.</li><li>7. Indian polity and governance: Constitutional issues, 73/74th amendments, public policy, reforms and center state relations with specific reference to Andhra Pradesh.</li><li>8. Society, Social justice, Right issues.</li><li>9. Physical geography of Indian sub-continent and Andhra Pradesh.</li><li>10. Key welfare and development schemes of Govt. Of Andhra Pradesh.</li></ol>

## Syllabus for Civil Engineering ( Part-B)

Subject Name	Syllabus
<b>Drawing</b>	<p><b>Drawing-1:</b> Importance of Lettering and Numbering—Figure Sizes and Proportions IS Standard Practice. Construction of Plain Geometric Figures (Lines Angles, Triangle, Rhombus, Quadrilaterals, Polygon) Orthographic Projection Recommended methods of Projections as per IS code.</p> <p><b>Drawing-2:</b> Construction of Ordinary Scale—Plain &amp; Comparative Diagonal, Vernier, &amp; Scale of Chords. Drawing Plan and Elevation of Points, Lines, Surfaces &amp; Solids. Conventional Signs and Symbols as per IS Code for Engineering. Drawings and Buildings Drawings</p>
<b>Detailing</b>	<p><b>Detailing-1:</b> Drawing and detailing of</p> <ul style="list-style-type: none"> <li>(a) Brick arrangements – Various types of Bonds,</li> <li>(b) Stone Masonry &amp; Stone Joints</li> <li>(c) Foundations – Various types</li> <li>(d) Damp Proof Course &amp; Plinth Protection</li> <li>(e) Roof types—Reinforced Concrete, Madras Terrace &amp; Jack Arch</li> </ul> <p><b>Detailing-2:</b> Drawing and detailing of</p> <ul style="list-style-type: none"> <li>(f) Flooring types – Timber Flooring, Steel Flooring, Tile Flooring,</li> <li>(g) Arches &amp; Lintels Carpentry Joints, Framing, Paneling and Moulding</li> <li>(h) Doors types – Paneled, Glazed, and Flush Door</li> <li>(i) Windows &amp; Ventilators</li> <li>(j) Pitched Roof – Various types – King post, &amp; Queen post</li> <li>(k) Steel Roof Trusses</li> </ul> <p><b>Detailing-3:</b> Drawing and detailing of</p> <ul style="list-style-type: none"> <li>(l) Stairs—Various types – Wooden, Steel and Reinforced Concrete— Spiral, Doglegged &amp; Open Well</li> <li>(m) Single Storied Residential House— Plan, Elevation and Section</li> <li>(n) Cross section showing different types of Roads, Railway Track, Embankment and layout of Platforms</li> <li>(o) Different types of Irrigation Structures</li> <li>(p) Pipelines, Joints, Drainage Works, Manholes, Sanitary fittings,</li> <li>(q) Forms of Rivet Heads, Types of Riveted Joints, Standard Steel Section, Standard Connections.</li> </ul>
<b>Surveying</b>	<p>Surveying of Buildings Sites with Chain, Field Book Entries – Plotting – Calculation of Areas. Use of Prismatic Compass, Handling of Leveling Instrument – Differential Leveling, Surveying of Building Sites with Chain and Level for Calculation of Earth Work. Plotting of Longitudinal / Cross section, Drawing of Contours.</p>