

ANDHRA PRADESH PUBLIC SERVICE COMMISSION: HYDERABAD

ANNEXURE- II

NOTIFICATION NO. 24/2007

**SCHEME AND SYLLABUS FOR RECRUITMENT TO THE POST OF
Divisional Accounts Officer (Works) Grade-II in A.P. Works Accounts Service
(General Recruitment)**

SCHEME

WRITTEN EXAMINATION (OBJECTIVE TYPE)

PART – A: WRITTEN EXAMINATION				
Paper-1	General Studies (Objective type – Degree standard)	150 Marks	150 Minutes	150 Questions
Paper-2	Arithmetic (Objective type – SSC standard)	150 Marks	150 Minutes	150 Questions
Paper-3	Mensuration (Objective type – SSC standard)	150 Marks	150 Minutes	150 Questions
PART – B: INTERVIEW (ORAL TEST)		50 Marks		

SYLLABUS

Paper-1 : GENERAL STUDIES

(DEGREE STANDARD)

1. General Science – Contemporary developments in Science and Technology and their implications including matters of every day observation and experience, as may be expected of a well-educated person who has not made a special study of any scientific discipline.
2. Current events of national and international importance.
3. History of India – emphasis will be on broad general understanding of the subject in its social, economic, cultural and political aspects with a focus on AP Indian National Movement.
4. World Geography and Geography of India with a focus on AP.
5. Indian polity and Economy – including the country's political system- rural development – Planning and economic reforms in India.
6. Mental ability – reasoning and inferences

Paper-2 : ARITHMETIC
(S.S.C. STANDARD)

1. Number systems – Rational and irrational numbers-decimal representations-real numbers-modulus of a real number – inequalities involving modulus- Primes and composite numbers – least common multiple and greatest common divisor-surds and logarithms.
2. Ratio and proportion-Averages-percentages-profit and loss-Discounts-Simple and compound interests-Partnerships-Time and distance – Time and work-clocks and calendar.
3. Polynomials-special products-factorization-Remainder theorem-Quadratic equations-Algebraic expressions-Binomial theorem for positive integral index.
4. Sets-fundamental operations on sets-Relations and functions-Types of functions-Matrices (utmost of type 3X3) – Matrix addition and multiplication – system of linear Equations.
5. Statistics – Frequency table - Mean, Median and mode-rank correlation-Mean deviation-standard deviation and variance.

PAPER 3 – MENSURATION
(S.S.C Standard)

1. Areas of squares, rectangles, triangles quadrilaterals, parallelogram and trapezium.
2. Geometry of triangles and polygons-identical triangles similarity of triangles-Pythagoras theorem and applications.
3. Surface area and volumes of solids such as Sphere, Cylinder, Cone and Prism.
4. Geometry of Circles-Common tangents to two Circles and their properties-Chords and sectors of circle.
5. Coordinates in two-dimension plane-Distance formula-area of triangle-Equation of straight line in different forms-Applications -Trigonometric ratios and their values for special angles-simple trigonometric identities.