SCHEME AND SYLLABUS FOR RECRUITMENT TO THE POST OF ZILLA SAINIK WELFARE OFFICERS

SCHEME

PART – A: WRITTEN (Objective Type) EXAMINATION				
i)	General Studies	150 Marks	150 Qns.	150 Minutes
ii)	Subject:			
	Paper-1 English	150 Marks	150 Qns.	150 Minutes
	Paper-2 Elementary Mathematics (SSC standard)	150 Marks	150 Qns.	150 Minutes
PART – B:	INTERVIEW (ORAL TEST)	50 Marks		

SYLLABUS

PAPER-1: GENERAL STUDIES AND MENTAL ABILITY

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.

SUBJECT

Paper-1: ENGLISH

The question paper will be designed to test the candidates understanding of English and workmen like use of words.

Paper-2: ELEMENTARY MATHEMATICS (SSC standard)

ARITHMETIC: Number system-Natural numbers, Integers, Rational and Real numbers, Fundamental operations, addition, substraction, multiplication, division, square roots, Decimal fractions.

Unitary method - time and distance, time and work, percentages, applications to simple and compound interest, profit and loss, ratio and proportion, variation.

Elementary Number Theory – Division algorithm. Prime and composite numbers. Tests of divisibility by 2, 3, 4, 5, 9 and 11. Multiples and factors. Factorisation Theorem. H.C.F. and L.C.M. Euclidean algorithm. Logarithms to base 10, laws of logarithms, use of logarithmic tables.

ALGEBRA: Basic Operations, simple factors, Remainder Theorem, H.C.F., L.C.M. Theory of polynomials, solutions of quadratic equations, relation between its roots and coefficients (Only real roots to be considered). Simultaneous linear equations in two un-knowns-analytical and graphical solutions. Simultaneous linear inequations in two variables and their solutions. Practical problems leading to two simultaneous linear equations or inequations in two variables or quadralic equations in one variable and their solutions. Set language and set notation, Rational expressions and conditional identities, Laws of indices.

TRIGONOMETRY: Sine x, Cosine x, Tangent x when $0^o \le x \le 90^o$ values of sin x, cos x and tan x, for x=0°,30°, 45°, 60° and 90°

Simple trigonometric identities.
Use of trigonometric tables.
Simple cases of heights and distances.

GEOMETRY: Lines and angles, Plane and Plane figures, Theorems on (i) Properties of angles at a point, (ii) Parallel lines, (iii) Sides and angles of a triangle, (iv) Congruency of triangles, (v) Similar triangles, (vi) Concurrence of medians and attitudes, (vii) Properties of angles, sides and diagonals of a parallelogram rectangle and square (viii) Circles and its properties including tangents and normals, (ix) Local.

MENSURATION: Areas of squares, rectangles, parallelograms, triangle and circle. Areas of figures which can be split up into these figures (Field Book) Surface area and volume of cubics, lateral surface and volume of right circular cones and cylinders, surface area and volume of spheres.

STATISTICS: Collection and tabulation of statistical data, Graphical representation frequency polygons, histograms, bar charts, plo charts etc. Measures of central tendency.

Sd/- Secretary
01/07/2008