ANNEXURE- II

NOTIFICATION NO.20/ 2018

SCHEME FOR RECRUITMENT TO THE POST OF DIVISIONAL ACCOUNTS OFFICER (WORKS) GRADE-II IN A.P. WORKS ACCOUNTS SERVICE *(GENERAL RECRUITMENT)*

S C H E M E

SCREENING TEST- WRITTEN EXAMINATION (OBJECTIVE TYPE)

paper-1	General Studies & Mental Ability (Degree standard)	50 Marks	150 Minutes	150 Questions
	Arithmetic (SSC standard)	50 Marks		
	Mensuration (SSC standard)	50 Marks		

1. NEGATIVE MARKS: As per G.O. Ms. No.235 Finance (HR-I, Plg & Policy) Dept., Dt.06/12/2016, for each wrong answer will be penalized with 1/3rd of the marks prescribed for the question.

MAINS - WRITTEN EXAMINATION (OBJECTIVE TYPE)

Paper-1	General Studies & Mental Ability (Degree standard)	150 Marks	150 Minutes	150 Questions
Paper-2	Arithmetic (SSC standard)	150 Marks	150 Minutes	150 Questions
Paper-3	Mensuration (SSC standard)	150 Marks	150 Minutes	150 Questions

1. NEGATIVE MARKS: As per G.O. Ms. No.235 Finance (HR-I, Plg & Policy) Dept., Dt.06/12/2016, for each wrong answer will be penalized with 1/3rd of the marks prescribed for the question.

Part – A
SYLLABUS FOR SCREENING TEST
(OBJECTIVE TYPE)

GENERAL STUDIES& MENTAL ABILITY
(DEGREE STANDARD)

50 Questions   **50 Marks**

1. Events of national and international importance.
2. Current affairs- international, national and regional.
3. General Science and it applications to the day to day life Contemporary developments in Science & Technology and information Technology
4. Social- economic and political history of modern India with emphasis on Andhra Pradesh.
5. Indian polity and governance: constitutional issues, public policy, reforms and e-governance initiatives with specific reference to Andhra Pradesh.
6. Economic development in India since independence with emphasis on Andhra Pradesh.
7. Physical geography of Indian sub-continent and Andhra Pradesh.
8. Disaster management: vulnerability profile, prevention and mitigation strategies, Application of Remote Sensing and GIS in the assessment of Disaster.
9. Sustainable Development and Environmental Protection
10. Logical reasoning, analytical ability and data interpretation.
11. Data Analysis:
    a) Tabulation of data
    b) Visual representation of data
    c) Basic data analysis (Summary Statistics such as mean, median, mode, variance and coefficient of variation) and Interpretation
12. Bifurcation of Andhra Pradesh and its Administrative, Economic, Social, Cultural, Political, and Legal implications/problems.

Part – B
ARITHMETIC
(Upto S.S.C. STANDARD)

50 Questions   **50 Marks**

1. Number systems – Rational and irrational numbers-decimal representations-real numbers-modulus of a real number – inequalities involving modulus- Prime 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 in two variables.

5. Statistics – Frequency table - Mean, Median and mode.

Part - C
MENSURATION
(Upto S.S.C Standard)

50 Questions   **50 Marks**

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 a triangle-Equation of a straight line in different forms-Applications -Trigonometric ratios and their values for special angles-simple trigonometric identities.

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SYLLABUS FOR MAIN EXAMINATION
(OBJECTIVE TYPE)
Paper - 1

GENERAL STUDIES& MENTAL ABILITY
(DEGREE STANDARD)

150 Questions   **150 Marks**

1. Events of national and international importance.
2. Current affairs- international, national and regional.
3. General Science and it applications to the day to day life Contemporary developments in Science & Technology and information Technology
4. Social- economic and political history of modern India with emphasis on Andhra Pradesh.
5. Indian polity and governance: constitutional issues, public policy, reforms and e-governance initiatives with specific reference to Andhra Pradesh.
6. Economic development in India since independence with emphasis on Andhra Pradesh.
7. Physical geography of Indian sub-continent and Andhra Pradesh.
8. Disaster management: vulnerability profile, prevention and mitigation strategies, Application of Remote Sensing and GIS in the assessment of Disaster.
9. Sustainable Development and Environmental Protection
10. Logical reasoning, analytical ability and data interpretation.
11. Data Analysis:
    a) Tabulation of data
    b) Visual representation of data
    c) Basic data analysis (Summary Statistics such as mean, median, mode, variance and coefficient of variation) and Interpretation
12. Bifurcation of Andhra Pradesh and its Administrative, Economic, Social, Cultural, Political, and Legal implications/problems.

Paper - 2

ARITHMETIC
(Upto S.S.C. STANDARD)

150 Questions   **150 Marks**

1. Number systems – Rational and irrational numbers-decimal representations-real numbers-modulus of a real number – inequalities involving modulus- Prime 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 in two variables.
5. Statistics – Frequency table - Mean, Median and mode.

Paper - 3
MENSURATION
(Upto S.S.C Standard)

150 Questions   **150 Marks**

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 a triangle-Equation of a straight line in different forms-Applications -Trigonometric ratios and their values for special angles-simple trigonometric identities