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(A) SCHEME OF THE COMMON SCREENING TEST (CST) AND SYLLABUS

The CST will consist of **one objective type** paper as shown below :

Date of Exam	Part	Subject	Maximum Marks	Total Duration /Timing	Total Duration/Timing for Visually Handicapped candidates including compensatory time.
25.05.2014 (Sunday)	I	General Intelligence (50 questions)	50	2 Hours 10.00 A.M. to 12.00 Noon	2 Hours 40 mins 10.00 A.M. to 12.40 PM
	II	English Language (Basic Knowledge) (50 questions)	50		
	III	Quantitative Aptitude (Basic Arithmetic Skill) (50 questions)	50		
	IV	General Awareness (50 questions)	50		

NOTE-I : The Paper will consist of **Objective Type- Multiple choice** questions only. The questions will be set **both in English & Hindi for Part-I, III & IV.**

NOTE-II: There will be **negative marking of 0.25 marks for each wrong answer.** Candidates are, therefore, advised to keep this in mind while answering the questions.

SYLLABUS

General Intelligence:

1.	Semantic Analogy	14.	Symbolic operations
2.	Symbolic/Number Analogy	15	Trends
3.	Figural Analogy	16.	Space Orientation
4.	Semantic Classification	17.	Venn Diagrams
5.	Symbolic/Number Classification	18.	Drawing inferences
6.	Figural Classification	19.	Punched hole/pattern-folding & unfolding
7.	Semantic Series	20.	Figural Pattern – folding and completion
8.	Number Series	21.	Embedded figures
9.	Figural Series	22.	Critical Thinking
10.	Problem Solving	23	Emotional Intelligence
11.	Word Building	24.	Social Intelligence
12.	Coding and de-coding	25.	Other sub-topics, if any
13	Numerical operations		

English Language :

1.	Spot the Error
2.	Fill in the Blanks
3.	Synonyms/Homonyms
4.	Antonyms
5.	Spellings/Detecting Mis-spelt words
6.	Idioms & Phrases
7.	One word substitution
8.	Improvement of Sentences
9.	Active/Passive Voice of Verbs
10.	Conversion into Direct/Indirect narration

11.	Shuffling of Sentence parts
12.	Shuffling of Sentences in a passage
13.	Cloze Passage
14.	Comprehension Passage

Quantitative Aptitude:

ARITHMETIC

- C.1.1 Number Systems:
 Computation of Whole Number
 Decimal and Fractions
 Relationship between numbers
- C.1.2 Fundamental arithmetical operations:
 Percentages
 Ratio and Proportion
 Square roots
 Averages
 Interest (Simple and Compound)
 Profit and Loss
 Discount
 Partnership Business
 Mixture and Alligation
 Time and distance
 Time and work

ALGEBRA:

- C.2.1 Basic algebraic identities of School Algebra (and their simple applications) e.g. Formulas for $(a+b)^2, (a-b)^2, (a+b)^3, (a-b)^3, a^3-b^3, a^3+b^3, a^2-b^2$; if $a+b+c=0$, then $a^3+b^3+c^3=3abc$ etc. and Elementary surds (simple problems)
- C.2.2 Graphs of Linear Equations.

GEOMETRY:

Familiarity with elementary geometric figures and facts:

- C.3.1 Triangle and its various kinds of centres viz. Centroid, In-centre, Orthocenter, Circumcentre
- C.3.2 Congruence and similarity of triangles
- C.3.3 Circle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles.

MENSURATION:

- C.4.1 Triangle, Quadrilaterals
- C.4.2 Regular Polygons (sum of the internal angles of a polygon)
- C.4.3 Circle
- C.4.4 Right Prism
- C.4.5 Right Circular Cone
- C.4.6 Right Circular Cylinder
- C.4.7 Sphere, Hemispheres
- C.4.8 Rectangular Parallelepiped
- C.4.9 Regular Right Pyramid with triangular or square Base

TRIGONOMETRY:

- C.5.1 Trigonometry (for acute angles θ with $0 \leq \theta \leq 90$)

Trigonometric ratios
Degree and Radian Measures
Standard Identities like $\sin^2\theta + \cos^2\theta = 1$ etc.

C.5.2 Complementary Angles, Heights and Distances (simple problems only)

STATISTICAL CHARTS :

Use of Tables and Graphs:

- C.6.1 Histogram
- C.6.2 Frequency polygon
- C.6.3 Bar-diagram
- C.6.4 Pie-chart

General Awareness: Questions are designed to test the candidate's general awareness of the environment around him and its application to society. Questions are also designed to test knowledge of current events and of such matters of everyday observation and experience in their scientific aspect as may be expected of an educated person. The test will also include questions relating to India and its neighbouring countries especially pertaining to History, Culture Geography, Economic Scene, General policy and scientific research.