

## GROUP-01

### Common Higher Secondary Level (Level of Exam-10+2 in any discipline)

1) General awareness, Reasoning, Mathematics, Science, History including Haryana related history, current affairs, literature, Geography, Civics, Environment, Culture etc.

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(Weightage 20%)

2) Computer terminology, Fundamentals, word software, excel software, Power point, internet, web browsing, Communication, emails, downloading and uploading data on websites etc.

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(Weightage 10%)

3) Subject related syllabus-

(Weightage 70%)

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#### A. General Awareness

Questions from the General Awareness section are designed to test the candidate's general knowledge of the environment around him and its applications 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, Static Awareness, and scientific research.

**Introduction to Indian Constitution:** Preamble, Fundamental duties and fundamentals rights only, Traffic Rules, Traffic signs, Penalties for violating traffic rules, first aid, safety precautions and occupational health, Welfare Schemes run by Government of Haryana and provisions.

**FUNDAMENTALS OF INSURANCE:** Introduction to insurance, Contract of life insurance, Fire insurance, Marine insurance, Accident and motor insurance, Farm Crop Insurance, Insurance intermediaries – role of agents and procedure for becoming an agent; cancellation of license; revocation/suspension/termination of agent appointment; code of conduct; unfair practices.

#### B. General Intelligence

This section includes questions of both verbal and non-verbal reasoning. The questions will be asked from:

Semantic Analogy, Symbolic operations, Symbolic/ Number Analogy, Trends, Figural Analogy, Space Orientation, Semantic Classification, Venn Diagrams, Number Series, Embedded figures, Figural Series, Critical Thinking, Problem Solving, Symbolic/ Number Classification, Drawing inferences, Figural Classification, Punched hole/ pattern folding & unfolding, Semantic Series, Figural Pattern-folding and completion, Emotional Intelligence, Word Building, Social Intelligence, Coding and de-coding, Other sub-topics if any Numerical operations,

#### C. English Language

The English Language questions will be asked from the following topics:

Spot the Error, fill in the Blanks, Synonyms/ Homonyms, Antonyms, Spellings/ Detecting misspelt words, Idioms & Phrases, One-word substitution, Improvement of Sentences, Active/ Passive Voice of Verbs,

## D. Quantitative Aptitude

**Number Systems:** Computation of Whole Number, Decimal and Fractions, Relationship between numbers.

**Fundamental arithmetical operations:** Percentages, Ratio and Proportion, Square roots, Averages, Interest (Simple and Compound), Profit and Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time and work.

**Mensuration:** Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Sphere, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square Base.

**Algebra:** Basic algebraic identities of School Algebra and Elementary surds (simple problems) and Graphs of Linear Equations.

**Geometry:** Familiarity with elementary geometric figures and facts: Triangle and its various kinds of centres, Congruence and similarity of triangles, Circle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles.

**Trigonometry:** Trigonometry, Trigonometric ratios, Complementary angles, Height and distances (simple problems only) Standard Identities like  $\sin^2 \theta + \cos^2 \theta = 1$  etc.

**Statistical Charts:** Use of Tables and Graphs: Histogram, Frequency polygon, Bar-diagram, Pie-chart.

## E. HINDI

### Hindi Language:

शब्द, अलंकार, विकारीशब्द, वाक्य, अविकारीशब्द, पद, पदबंध, मुहावरें, लोकोक्तियां, संधि, उपसर्ग, प्रत्यय, समास, पर्यायवाची, विलोम व अनेकार्थीशब्द, अयोगवाह, वाक्य शोधन, निपात(अवधारक), विरामचिन्ह, संबंधबोधक, अनेकशब्दों के लिए एक शब्द, एकार्थकशब्द, युग्मशब्द, वर्तनी(शब्द एवं वाक्य शुद्धिकरण), वर्ण, स्वर, व्यंजन, विदेशी ध्वनियाँ, संज्ञा, सर्वनाम, विशेषण, क्रिया, क्रिया विशेषण, समुच्चय बोधक, विस्मय बोधक, वचन, लिंग, कारक, काल, तदभव-तत्समशब्द

## F. Haryana economy:

nature, characteristics and problems; concept of economic development; State of the Haryana economy since its inception: Income; Population, Health & Nutrition and declining sex ratio, Haryana agriculture: nature, cropping pattern, role of agriculture in Haryana economy, Measures for development in agriculture, crop insurance, Agriculture credit: agriculture finance, types of agriculture finance; credit needs of farmers; sources of credit: institutional and non-institutional sources; NABARD; rural indebtedness: causes, consequences and debt relief measures, Micro, small & medium enterprises (MSME) in Haryana: meaning, role, performance and challenges; SEZ, Growth of MNCs in Haryana, Role of HSIIDC, HFC, HAFED, HKVIB, Haryana budget: objectives and policies, sources of revenues and its utilization.

## G. Rural Marketing:

Meaning, nature, characteristics; opportunities and challenges to rural markets in Haryana; Socio-cultural, economic, demographic, technological and other environmental factor affecting rural marketing; rural consumer behaviour; segmentation of rural market; strategies for rural marketing; rural marketing mix: difference in rural and urban market; problems in rural marketing; Strategies for rural

## H. Environmental Studies and Disaster Management

Multidisciplinary nature of environmental studies, Natural Resources, Forest resources, Water resources, Mineral resources, Food resources, Energy resources, Land resources, Ecosystems, Energy flow in the ecosystem, Introduction, types, characteristic features, structure and function of the following ecosystem: a. Forest ecosystem b. Grassland ecosystem c. Desert ecosystem d. Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries). Biodiversity and its conservation, Value of biodiversity, Hot-spots of biodiversity, Threats to biodiversity, Endangered and endemic species of India. Conservation of biodiversity, Environmental Pollution, effects and control measures of: a. Air pollution b. Water pollution c. Soil pollution d. Marine pollution e. Noise pollution f. Thermal pollution g. nuclear hazards. Solid Waste Management, Social Issues and the Environment, Environmental ethics, Wasteland reclamation, Consumerism and waste products. Environment Protection Act. Air (Prevention and Control of Pollution) Act. Water (Prevention and control of Pollution) Act. Wildlife Protection Act. Forest Conservation Act. Issues involved in enforcement of environmental legislation. Public awareness. Human Population and the Environment, Environment and human health, Role of Information Technology in Environment and human health.

DISASTER MANAGEMENT: Natural Disasters, Climatic change, Man Made Disasters, Disaster Management, International strategy for disaster reduction, national disaster management framework; financial arrangements; role of NGOs, community –based organizations and media. Central, state, district and local administration; Armed forces in disaster response; Disaster response; Police and other organizations.

**Important Note: The Weightage as mentioned against the syllabus is tentative & may vary.**

