

GROUP – I SYLLABUS

GENERAL STUDIES (PRELIMINARY EXAMINATION)

TOPICS FOR OBJECTIVE TYPE

UNIT – I General Science

Physics: - Universe - General Scientific laws - Scientific instruments -Inventions and discoveries-National scientific laboratories-Science glossary-Mechanics and properties of matter-Physical quantities, standards and units-Force, motion and energy- electricity and Magnetism - electronics & communications -Heat, light and sound-Atomic and nuclear physics-Solid State Physics-Spectroscopy – Geophysics - Astronomy and space Science.

Chemistry: Elements and Compounds-Acids, bases and salts - Oxidation and reduction– Chemistry of ores and metals -Carbon, nitrogen and their compounds-Fertilizers, pesticides, insecticides-Biochemistry and biotechnology-Electro chemistry-Polymers and plastics.

Botany: Main Concepts of life science-The cell-basic unit of life-Classification of living organism-Nutrition and dietetics-Respiration-Excretion of metabolic waste-Bio communication.

Zoology: Blood and blood circulation-Endocrine system-Reproductive system-Genetics the science of heredity-Environment, ecology, health and hygiene, Bio- diversity and its conservation-Human diseases, prevention and remedies-Communicable diseases and non-communicable diseases-Alcoholism and drug abuse-Animals, plants and human life.

UNIT II Current Events

History: Latest diary of events – National - National symbols -Profile of States-Defence,national security and terrorism-World organizations-pacts and summits-Eminent persons & places in news-Sports & games-Books & authors -Awards & honours-Cultural panorama-Latest historical events-India and its neighbors- Latest terminology-Appointments-who is who?.

Political Science: India's foreign policy - Latest court verdicts – public opinion -Problems in conduct of public elections- Political parties and political system in India-Public awareness & General administration- Role of Voluntary organizations & Govt.,-Welfare oriented govt. schemes, their utility.

Geography: Geographical landmarks-Policy on environment and ecology.

Economics: Current socio-economic problems-New economic policy & govt. sector.

Science: Latest inventions on science & technology - Latest discoveries in Health Science - Mass media & communication.

UNIT – III Geography

Earth and Universe - Solar system - Atmosphere hydrosphere, lithosphere -Monsoon, rainfall, weather and climate - Water resources - rivers in India-Soil, minerals & natural resources-Natural vegetation-Forest & wildlife-Agricultural pattern, livestock & fisheries-Transport & communication-Social geography –population-density and distribution-Natural calamities – disaster management-Climate change - impact and consequences - mitigation measures-Pollution Control.

UNIT – IV History and culture of India

Pre-historic events -Indus valley civilization-Vedic, Aryan and Sangam age-Maurya dynasty-Buddhism and Jainism-Guptas, Delhi Sultans, Mughals and Marathas-Age of Vijayanagaram and the bahmanis-South Indian history-Culture and Heritage of Tamil

people-Advent of European invasion-Expansion and consolidation of British rule-Effect of British rule on socioeconomic factors-Social reforms and religious movements-India since independence-Characteristics of Indian culture-Unity in diversity –race, colour, language, custom-India-as secular state-Organizations for fine arts, dance, drama, music-Growth of rationalist, Dravidian movement in TN-Political parties and populist schemes –Prominent personalities in the various spheres – Arts, Science, literature andPhilosophy – Mother Teresa, Swami Vivekananda, Pandit Ravishankar, M.S.Subbulakshmi, Rukmani Arundel and J.Krishnamoorthy etc.

UNIT – V INDIAN POLITY

Constitution of India- Preamble to the constitution -Salient features of constitution - Union, State and territory - Citizenship-rights amend duties - Fundamental rights - Fundamental duties -Human rights charter - Union legislature – Parliament - State executive - State Legislature – assembly - Status of Jammu & Kashmir - Local government – panchayat raj – Tamil Nadu - Judiciary in India– Rule of law/Due process of law -Indian federalism – center – state relations -Emergency provisions - Civil services in India- Administrative challenges in a welfare state - Complexities of district administration - Elections - Election Commission Union and State - Official language and Schedule-VIII- Amendments to constitution - Schedules to constitution - Administrative reforms & tribunals- Corruption in public life - Anticorruption measures – Central Vigilance Commission, lok-adalats, Ombudsman, Comptroller and Auditor General of India. - Right to information - Central and State Commission - Empowerment of women- Voluntary organizations and public grievances redressal - Consumer protection forms .

UNIT – VI INDIAN ECONOMY

Nature of Indian economy - Five-year plan models-an assessment - Land reforms & agriculture - Application of science in agriculture - Industrial growth - Capital formation and investment-Role of public sector &disinvestment-Development of infrastructure- National income - Public finance & fiscal policy - Price policy & public distribution- Banking, money & monetary policy - Role of Foreign Direct Investment (FDI)- WTO-globalization & privatization - Rural welfare

oriented programmes - Social sector problems – population, education, health, employment, poverty - (RD – sustainable economic growth- Economic trends in Tamil Nadu - Energy Different sources and development - Finance Commission - Planning Commission - National Development Council.

UNIT – VII INDIAN NATIONAL MOVEMENT

National renaissance- Early uprising against British rule-1857 Revolt-Indian National Congress - Emergence of national leaders- Gandhi, Nehru, Tagore, Netaji-Growth of militant movements -Different modes of agitations-Era of different Acts & Pacts-World war & final phase struggle -Communalism led to partition- Role of Tamil Nadu in freedom struggle -Rajaji, VOC, Periyar, Bharathiar& Others - Birth of political parties /political system in India since independence.

UNIT – VIII – APTITUDE & MENTAL ABILITY TESTS

Conversion of information to data - Collection, compilation and presentation of data - Tables, graphs, diagrams-Parametric representation of data-Analytical interpretation of data -Simplification-Percentage-Highest Common Factor (HCF)-Lowest Common Multiple (LCM)- Ratio and Proportion-Simple interest-Compound interest-Area-Volume-Time and Work-Behavioral ability - Basic terms, Communications in information technology -Application of Information and Communication Technology)CT- Decision making and problem solving.

Logical Reasoning: Puzzles– Dice - Visual Reasoning- Alpha numeric Reasoning-Number Series - Logical Number/Alphabetical/Diagrammatic Sequences.

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Geography : Geographical landmarks-Policy on environment and ecology.

Economics :Current socio-economic problems New economic policy & govt. sector.

Science :Latest inventions on science & technology Latest discoveries in health Science Mass media & communication.

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Earth and Universe-Solar system-Atmosphere hydrosphere, lithosphere-Monsoon, rainfall, weather and climate-Water resources -rivers in India-Soil, minerals & natural resources- Natural vegetation-Forest & wildlife-Agricultural pattern, livestock & fisheries- Social geography – population-density and distribution-Natural calamities – disaster management.

Unit IV. History and culture of India.

South Indian history-Culture and heritage of Tamil people--Advent of European invasion- Expansion and consolidation of British rule-Effect of British rule on socio-economic factors-Social reforms and religious movements-India since independence-Characteristics of Indian culture- Unity in diversity –race, colour, language, custom-India-as secular state-Organizations for fine arts, dance, drama, music-Growth of rationalist, Dravidian movement in TN-Political parties and populist schemes- Prominent personalities in the various spheres – Arts, Science, literature and Philosophy – Mother Teresa, Swami Vivekananda, Pandit Ravishankar , M.S.Subbulakshmi, Rukmani Arundel and J.Krishnamoorthy etc.

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Central Vigilance Commission, lok-adalats, Ombudsman, Comptroller and Auditor General of India- Right to information - Central and State Commission- Empowerment of women.

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Nature of Indian economy- Five-year plan models-an assessment-Land reforms & agriculture- Application of science in agriculture Industrial growth-Role of public sector & disinvestment- Development of infrastructure- National income Rural welfare oriented programmes- Social sector problems – population, education, health, employment, poverty- IRD – sustainable economic growth- Economic trends in Tamil Nadu - Energy Different sources and development- Finance Commission - Planning Commission- National Development Council.

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Group II Syllabus Language

SYLLABUS – GENERAL ENGLISH

S.S.L.C. Standard (Objective Type)

Grammar - PART A

1. Match the following words and Phrases given in Column A with their meanings in Column B.
2. Choose the correct 'Synonyms' for the underlined word from the options given
3. Choose the correct 'Antonyms' for the underlined word from the options given
4. Select the correct word (Prefix, Suffix)
5. Fill in the blanks with suitable Article
6. Fill in the blanks with suitable Preposition
7. Select the correct Question Tag
8. Select the correct Tense
9. Select the correct Voice
10. Fill in the blanks (Infinitive, Gerund, Participle)
11. Identify the sentence pattern of the following sentence (Subject, Verb, Object....)Blanks with correct 'Homophones'
12. Find out the Error (Articles, Prepositions, Noun, Verb, Adjective, Adverb)
13. Comprehension
14. Select the correct sentence
15. Find out the odd words (Verb, Noun, Adjective, Adverb)
16. Select the correct Plural forms
17. Identify the sentence (Simple, Compound, Complex Sentence)
18. Identify the correct Degree.
19. Form a new word by blending the words.
20. Form compound words (Eg: Noun+Verb, Gerund+Noun) 48

Part-B - Literature

1. Figures of speech observed in the following Poems:

- Alliteration – Allusion – Simile – Metaphor – Personification – Oxymoron – Onomatopoeia – Anaphora – Ellipsis - Rhyme Scheme - Rhyming Words – Repetition – Apostrophe
- A Psalm of Life - Women’s Rights - The Nation United - English words – Snake – The Man He Killed - Off to outer space tomorrow morning - Sonnet No.116 - The Solitary Reaper - Be the Best - O Captain My Captain - Laugh and Be Merry – Earth - Don’t quit - The Apology - Be Glad your Nose is on your face - A sonnet for my Incomparable Mother - The Flying Wonder - To a Millionaire - The Piano – Manliness - Going for water - The cry of the Children - Migrant Bird - Shilpi.

2. Appreciation Questions from Poetry

- A Psalm of Life - Women’s Rights - The Nation United - English words
- Snake – The Man He Killed - Off to outer space tomorrow morning –Sonnet No.116 - The Solitary Reaper - Be the Best - O Captain My Captain - Laugh and Be Merry – Earth - Don’t quit - The Apology - Be Glad your- Nose is on your face - A sonnet for my Incomparable Mother - The Flying Wondr - To a Millionaire - The Piano – Manliness - Going for water - The cry of the Children - Migrant Bird - Shilpi.

3. Important lines from Poems.

- Where the mind is without fear - The Solitary Reaper - Going for water - A Psalm of Life - Be the Best - Sonnet No.116

4. Questions on the Biography of

- Mahatma Gandhi - Jawaharlal Nehru - Subash Chandra Bose - Helen Keller Kalpana Chawala - Dr.Salim Ali - Rani of Jhansi - Nelson Mandela – Abraham Lincoln

5. Questions on Shakespeare’s

- Merchant of Venice (Act IV Court Scene) - Julius Ceasar (Act III Scene 2) - Sonnet 116

6. Questions from Oscar Wilde's

- The Model Millionaire - The Selfish Giant 49

7. Dr.Karl Paulnack

- Music-The Hope Raiser

8. Comprehension Questions from the following Motivational Essays:

- Gopala Krishna Gokhale's Speech on 25th July in Mumbai in response to The address presented to him by students- Dale Carnegie's 'The Road to success- Dr.APJ Abdul Kalam's 'Vision for the Nation'(from 'India 2020') - Ruskin Bond's 'Our Local Team' - Hope Spencer's 'Keep your spirits high' - Deepa Agarwal's 'After the storm' - Brian patten's 'You can't be that no you can't be that'

9. Comprehension Questions from the following description of Places

- Ahtushi Deshpande's 'To the land of snow' - Manohar Devadoss – Yaanai Malai - Brihadeesvarar Temple

10. British English – American English

Part-C

Authors and their Literary Works

1. Match the Poems with the Poets

- A psalm of Life - Be the Best - The cry of the children - The Piano – Manliness
Going for water – Earth -The Apology - Be Glad your Nose is on your face - The Flying Wonder -Is Life But a Dream - Be the Best - O captain My Captain - Snake - Punishment in Kindergarten -Where the Mind is Without fear - The Man He Killed - Nine Gold Medals

2. Which Nationality the story belongs to?

- The selfish Giant - The Lottery Ticket - The Last Leaf - How the Camel got its Hump - Two Friends – Refugee - The Open Window

3. Identify the Author with the short story

- The selfish Giant - The Lottery Ticket - The Last Leaf - How the Camel got its Hump - Two Friends – Refugee - The Open Window - A Man who Had no Eyes -

The Tears of the Desert – Sam The Piano - The face of Judas Iscariot - Swept Away - A close encounter - Caught Sneezing - The Wooden Bowl - Swami and the sum

4. Whose Auto biography / Biography is this? 50

5. Which Nationality the Poet belongs to ?

- Robert Frost - Archibald Lampman - D.H. Lawrence - Rudyard Kipling Kamala Das - Elizabeth Barrett Browning - Famida Y. Basheer - Thomas Hardy - Khalil Gibran - Edgar A. Guest - Ralph Waldo Emerson - Jack Prelutsky - F. Joanna - Stephen Vincent Benet - William Shakespeare - William Wordsworth - H.W. Long Fellow - Annie Louisa walker - Walt Whitman - V.K. Gokak

6. Characters, Quotes, Important Lines from the following works of Indian Authors:

- Sahitya Akademi Award winner: Thakazhi Sivasankaran Pillai – ‘Farmer’
- Kamala Das – 1. Punishment in Kindergarten 2. My Grandmother’s House
- R.K. Narayan - Swami and the sum - Rabindranath Tagore - Where the mind is without fear - Dhan Gopal Mukherji - Kari, The Elephant - Deepa
- Agarwal - After the Storm - Dr. APJ Abdul Kalam - Vision for the Nation
- Indra Anantha Krishna- The Neem Tree - Lakshmi Mukuntan- The Ant
- Eater and the Dassie - Dr. Neeraja Raghavan - The Sun Beam

7. Drama Famous lines, characters, quotes from

- Julius Caesar - The Merchant of Venice

8. Match the Places, Poet, Dramatist, Painter with suitable option

9. Match the following Folk Arts with the Indian State / Country

10. Match the Author with the Relevant Title/Character

11. Match the Characters with Relevant Story Title

- The Selfish Giant - How the camel got its hump - The Lottery ticket - The Last Leaf - Two friends – Refugee - Open window – Reflowering - The Necklace Holiday

12. About the Poets

- Rabindranath Tagore - Henry Wordsworth Longfellow - Anne Louisa
- Walker - V K Gokak - Walt Whitman - Douglas Malloch

13. About the Dramatists 51

- William Shakespeare - Thomas Hardy

14. Mention the Poem in which these lines occur

- Granny, Granny, please comb My Hair - With a friend - To cook and Eat - To India – My Native Land - A tiger in the Zoo - No men are foreign – Laugh and be Merry – The Apology - The Flying Wonder

15. Various works of the following Authors

- Rabindranath Tagore – Shakespeare - William Wordsworth - H.W. Longfellow – Anne Louisa Walker - Oscar Wilde - Pearl S. Buck

16. What is the theme observed in the Literary works?

- Snake - The Mark of Vishnu - Greedy Govind - Our Local Team – Where the mind is without fear - Keep your spirits high - Be the best – Bat – The Piano – The Model Millionaire - The Cry of the Children – Migrant bird – Shilpi

17. Famous Quotes – Who said this?

18. To Which period the Poets belong

- William Shakespeare - Walt Whitman - William Wordsworth - H.W. Longfellow Annie Louisa Walker - D.H. Lawrence

19. Matching the Poets and Poems

- Discovery – Biking – Inclusion - Granny, Granny, please comb My Hair – With a Friend - To cook and Eat – Bat - To India – My Native Land - A tiger in the Zoo - No men are foreign - Laugh and be Merry – Earth – The Apology - The Flying Wonder - Off to outer space tomorrow morning - Be the best - Is life, but a dream - Women’s rights - The Nation united - English words – Snake – The man he killed

20. Nature centered Literary works and Global issue Environment and Conservation

- Flying with moon on their wings - Migrant bird - Will Thirst Become - Unquenchable? - Going for Water - Swept away - Gaia tells her