

ಅನುಬಂಧ-2

COMBINED COMPETITIVE EXAMINATION SYLLABUS

I. Syllabus for Principals in Morarji Desai and Kittur Rani Chennamma Residential Schools.

The Combined competitive Examination will consist of 3 papers, namely,

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|-----------------------------|-----------|
| 1. Paper-1: General Studies | 100 Marks |
| ಪತ್ರಿಕೆ - 1: ಸಾಮಾನ್ಯ ಅಧ್ಯಯನ | |
| 2. Paper -2: Education - 1 | 150 Marks |
| ಪತ್ರಿಕೆ - 2: ಶಿಕ್ಷಣ - 1 | |
| 3. Paper -3: Education -2 | 150 Marks |
| ಪತ್ರಿಕೆ - 3: ಶಿಕ್ಷಣ - 2 | |

Syllabus for Paper-1: General Studies (ಪತ್ರಿಕೆ -1 ಸಾಮಾನ್ಯ ಅಧ್ಯಯನ)

100 Marks

Objective type Multiple Choice Questions on General Awareness, General Intelligence and Reasoning, Numerical Ability, Mental Ability, Teaching aptitude, General English, General Kannada. and General Knowledge.

The General Paper on **General English and General Kannada** to normally conform to minimum standard expected student who has passed the Bachelor Degree Examination of a University. It is intended to test candidate's knowledge of English and Kannada in Grammar, Vocabulary, Spelling, Synonyms, his power to understand and comprehend English and Kannada Languages and his ability to discriminate between correct and incorrect usages etc.,

GENERAL KNOWLEDGE: 1.Famous Books and Authors 2. Important Inventions & Discoveries, 3.Basic science – Scientific Phenomena 4.Hygiene and Physiology (Human), 5.Chronology of Events in World History 6.Glimpses of Indian History 7.Geographical terms(basic) 8.Sports – International & National figures 9. Awards, Honors and Prizes 10. Indian culture – Land & people – festivals. Physical geography – Population – Literacy-Natural regions – Natural Resources-Food crops – Non – Food crops-Major Industries – Projects – Public undertakings-Indian Art – Artists of recognition – Classical Awards for various achievements –National Policy on Education, Constitution of India – Major items-Union Govt. –and State Govt. – Cabinets – Indian leaders of International & National Recognition-(Who is who – India)11.Current International affairs –India's Foreign relations 12.Current National affairs.

Syllabus for Paper-2: Education -1

(ಪತ್ರಿಕೆ -2: ಶಿಕ್ಷಣ-1)

150 Marks

❖ Educational Administration

- Constitutional provisions and directive principles for education in the Indian Constitution, measures for fulfilling the Constitutional obligations;
- Role of different agencies (society, home, school) and their inter-relationship in the administration of Education;
- Education in relation to fundamental rights, democracy, secularism and social justice;
- A critical analysis of the aims of Education in relation to national understanding.
 - a) Content and methodology changes on
 - b) Educational Administration and Educational Planning
- School- community
- Relationship in relation to quantitative and qualitative development in education.
- Role of Head of the Educational Institution as an Administrator, Academic Leader and Leader for the Development of the Institution.
- Class room organization and Management, Physical facilities in a school, school environment teacher role Leadership style of head master and its influence on teacher role performance.
- Class room management: Mechanisms for coordinated functioning in school.

❖ Psychological foundations

- Child development-Physical, intellectual, emotional and social;
- Problems of adolescence-role of home-school and society in dealing with them.
- Learning;
 - a) Concept;
 - b) Factors affecting learning
 - c) Motivation and measures for creating effective learning situation

❖ New Initiatives in Karnataka

- Quality improvement programme in Education'
- Compulsory Primary Education and Incentive scheme for compulsory Primary Education
- Incentive Programmes of Department of public Instruction and Social Welfare Department for the children of Primary and Secondary Education-Text-books,-Uniforms-midday meals, Residential Schools etc.,

- School development and monitoring committees
- Systems of Examination
- Computer education in schools
- Sarva Shiksha ASbhiyan (SSA) and Ratriya Madyamika Shiksha Abhiyan (RMSA) goals/objectives.
- Inaservice Teacher training programmes
- Role of District Teacher Institute of Educational Training (DIET) and College for Teacher Education(CTE)
- Student/Teacher Welfare Programmes.
- Examination reforms-efforts to improve quality
- Action research
- Innovative experiments in distance EDUCATION
 - 1.Keli Kali 2) Edusat etc.,
- Inclusive education programme
- Environment education and Health education in schools
- Recent programmes to promote.
 - a) Universal access
 - b) Universal enrollment
 - c) Univerasal retention
 - d) Universal achievement

Syllabus for Paper -3: Education -2

ಸತ್ರಿಕೆ-3 ಶಿಕ್ಷಣ-2

- Education for National Development.
- Emerging Interface between Political Process & Education.
- Right of Children for Free and Compulsory Education Act.
- Implementation of an educational policy-political will and effort, macro level requirements; action plans and programme guidelines as tools for implementation and essentiality of political support; State and Centrally Sponsored Schemes of Education
- Education and Economic Development
- Education and Individual Development
- Education and Socio-Cultural Context
- Learning Environment: the changing scenario
- Systems & Structures in School Education
- Universalisation of Secondary Education
- Impact of realizing the UEE on Secondary Education: access, enrolment, participation and achievement: status of USE. USE: issues and concerns Lessons from implementation of UEE Strategies for realization of targets.

❖ **Equity & Equality in Education, Quality in Education**

➤ What is 'Quality Education'?

Indicators of quality: related to learning environment, Student Outcomes Outcome improvement through: Setting standards for Performance: supporting, Inputs known to improve Achievement, Adapting flexible strategies for the acquisition and Use of inputs, and monitoring performance. Enhancement of quality in Secondary Schools.

❖ **Education for Conservation of Environment**

Conservation of environment an imminent need for sensitizing learners towards concerns of environmental conservation. Integration of environmental concerns in curriculum Role of teacher in promoting conservation

❖ **Nature of the Learner: Child and Adolescent**

❖ **Organization learning: Issues and Concerns Understanding Teaching**

❖ **Teaching as a planned activity-**

- Elements of Planning Assumptions underlying teaching and their Influence on the planning for teaching.

❖ **Phases of teaching:**

- a) Pre-active, Interactive and Post- active. Proficiency in teaching: meaning, and place of awareness, skills, competencies and commitment.
- b) The general and subject related skills and competencies required in teaching.
- c) Impact of one's own socialization processes, awareness of one's own shifting identities as 'student', 'adult' and 'student teacher' and their Influences on 'becoming a teacher'
- d) Teacher's professional identity. What does it entail ?
 - Assessment & Evaluation-
 - Perspectives on Assessment & Evaluation
 - Assessment of Learning
 - Assessment for Learning
 - Issues, concerns, and Trends in assessment and Evaluation.

II. Syllabus for the Combined Competitive Examination to the cadre of Subject Teachers (Kannada, English, Hindi, Science, Mathematic, Social Science and Physical Education.

The Combined competitive Examination consist of 2 Papers, namely,

1. Paper- 1 : General Paper **100 Marks**

ಪತ್ರಿಕೆ -1 : ಸಾಮಾನ್ಯ ಪತ್ರಿಕೆ

2. Paper-2 : Optional Paper **100 Marks**

ಪತ್ರಿಕೆ -2: ಐಚ್ಛಿಕ ಪತ್ರಿಕೆ

1. Syllabus for Paper -1: General Paper

ಪತ್ರಿಕೆ -1: ಸಾಮಾನ್ಯ ಪತ್ರಿಕೆ

Objective type Multiple Choice Questions on

GENERAL KNOWLEDGE: 1.Famous Books and Authors 2. Important Inventions & Discoveries, 3.Basic science – Scientific Phenomena 4.Hygiene and Physiology (Human), 5.Chronology of Events in World History 6.Glimpses of Indian History 7.Geographical terms(basic) 8.Sports – International & National figures 9. Awards, Honors and Prizes 10. Indian culture – Land & people – festivals. Physical geography – Population – Literacy-Natural regions – Natural Resources-Food crops – Non – Food crops-Major Industries – Projects – Public undertakings-Indian Art – Artists of recognition – Classical Awards for various achievements –National Policy on Education, Constitution of India – Major items-Union Govt. –and State Govt. – Cabinets – Indian leaders of International & National Recognition-(Who is who – India)11.Current International affairs –India’s Foreign relations 12.Current National affairs.

MENTAL ABILITY: Analogy, Classification test, Blood relation test, Series completion Test, Direction source test, Alphabet test, Abstract reasoning Test Logic test, Verification test, Coding and decoding test

EDUCATIONAL PSYCHOLOGY: Meaning and methods of Educational Psychology, Growth and Development, Individual Differences, Learning, Personality and Mental Health, Group Dynamic

2. Syllabus for Paper-2: Optional Paper ಪತ್ರಿಕೆ-2: ಐಚ್ಛಿಕ ಪತ್ರಿಕೆ

1. Syllabus for Kannada Language Teacher

ಘಟಕ 1- ಕನ್ನಡ ಸಾಹಿತ್ಯ ಚರಿತ್ರೆ

ಹಳಗನ್ನಡ ಕಾಲ, ನಡುಗನ್ನಡ ಕಾಲ, ಹೊಸಗನ್ನಡ ಕಾಲ- ಕವಿಗಳು, ಕೃತಿಗಳು

ಘಟಕ 2- ಕಾವ್ಯ ಮೀಮಾಂಸೆ ಮತ್ತು ಭಂದಸ್ಸು

ಘಟಕ 3- ಕನ್ನಡ ಭಾಷೆ ಮತ್ತು ವ್ಯಾಕರಣ

2. Syllabus for English Language Teacher

ENGLISH : Pronunciation, Spelling, Parts of Speech, Time and Tense, Modals, Prepositions, Articles, Phrasal Verbs, Reported Speech, Agreement, Grammar and Usage, Functional English, Synonyms, Antonyms, Idioms and Phrases, Prefixes and

Suffixes, Error Detection, Comprehension, Cloze, Shuffling Sentence Parts, Shuffling sentences in Paragraphs, Testing and Evaluation, Methods/Techniques, ELT Terms

3. Syllabus for Hindi Teacher

1. Bhasha Vignan
2. Sahitya Ithihas
 - a) Adikal
 - b) Bhakthikal
 - c) Reetikal
 - d) Adhunik kal(Gadhya)
 - e) Adhunik Kal(Padhya]

4. Syllabus for Mathematic Teacher

PHYSICS: Mechanics, Properties of matter, Heat and Thermodynamics Waves, Sound, Light, Optics, Electricity and Magnetism, Electronics and modern physics Theory of active and passive networks and devices, filters, power supply. Digital electronics. Atomic Spectroscopy, Atomic structure, charge, mass and e/m . Molecular spectra, Lasers and masers. X-rays and crystal structure. Free electronic theory, semiconductors-Band theory. Magnetic materials. Quantum mechanics:- Wave mechanics, matter waves, Eigen functions, Schrödinger wave function. Special theory of relativity, Lorentz contraction, time dilation, Doppler effect, Ultimate speed. Aberration, variation of mass. Properties of nucleus, detectors, accelerators, nuclear decays, Nuclear models, Fission and Fusion, Nuclear reactions-binding energy, Cosmic rays, fundamental particles.

MATHEMATICS: Numbers and Numerals-Number systems, Number sets, Basic operations, Properties, Square numbers and Square roots, Cube numbers, and cube roots, Irrational numbers, Sets, Matrices, Mathematics in day today activities, Statistics, 4. Permutations and Combinations, 5. Modular arithmetic 6. Algebra-Basic concepts, operations and properties, Exponents, Factors and Factorization Surds 7. Equations-Linear and Quadratic equations, 8. Geometry-Basic concepts, Axioms and postulates, Theorems, 9. Triangles, Circles, Quadrilaterals and polygons - definitions, properties and theorems 10. Mensuration, 11. Polyhedra and Network.

5. Syllabus for Science Teacher

CHEMISTRY:

- CHEMISTRY: INORGANIC CHEMISTRY : Atomic structure, periodic table, chemical bonding, metallurgy, d-block elements, f-block elements, co-ordination chemistry, industrial chemistry, analytical chemistry
- PHYSICAL CHEMISTRY: Gases, Colloids, Surface Chemistry, Thermodynamics, Nuclear Chemistry, Electro Chemistry, Indicators.
- ORGANIC CHEMISTRY: Alkanes, Alkenes and Alkynes – IUPAC nomenclature, Isomerism, Functional groups Aromaticity, Vitamins, Hormones, Alkaloids, Carbohydrates

BIOLOGY: Living World, Cytology, Micro Organisms, Life Processes, Food Production & Management, Environmental Science,

NON – CHORDATA

PHYLUM: Protozoa, Porifera, Cnidaria, Acnidaria, tyhelminthes, Aschelminthes, Annelida, Arthropoda, Mollusca, Echinodermata

CHORDATA

Characteristic features of chordata. Outline classification and Identifying features of Prochordata (Urochordata, Hemichordata and ephalchordata) and vertebrata salient features of Agnatha with examples. Pisces, Amphibia, Reptilla, Aves, Mammalian

CELL BIOLOGY: Cell and its Organelles, Mitosis and Meiosis, Fertilization, Parthenogenesis, Sex Determination, Sex determination in Man, Genetics.

BIOCHEMISTRY AND PHYSIOLOGY: Carbohydrates, Proteins, Lipids, Vitamins, Enzymes, Physiology, Histology, Environmental Biology, Terrestrial Ecology,

Evaluation of Life, Introduction to Genetics, Biotechnology

Protista, Viruses, Bacteria, Physiology Mycology, Bryophytes, Hepaticae, Anthocerotae, Musci, Pteridophytes, Gymnosperms, Plant Anatomy, Tissues, Embryology, Ecology, Plant succession, Plant communities, Phytogeography, Taxonomy of Angiosperms, Families, Economic botany, Plant propagation, Cytology, Chromosomes, Cell division, Polyploidy, Genetics, Evolution, Plant physiology, Enzymes, Xerox synthesis, Respiration, Protein synthesis, Growth, Xerox periodism, Plant Biotechnology

6. Syllabus for Social Science Teacher

HISTORY: Medieval India, Religious & Social reform movements, Delhi sultans, Bhakthi movement, Vijayanagar empire, Bahamani Sulthans, Great mughals, Marathas, Renaissance, Reformation, Geographical discoveries, foreign invasion, Rise of English, Mysore sulthans, Wodeyars of Mysore, First war of Independence, National movement –Gandhian Era & partition & Independence, Geographical features on history, Pre-historic period, Ancient civilizations , Vedic age, Birth of new religions, Mauryans, Kushans, Gupthas, Vardhana dynasty, Southern dynasties, Rise of Christianity & Islam, Mediaval Europe, Rajputs, Rise of Revolutions & equality, Constitution development in India, Modern world – First & Second World war, Contemporary world

CIVICS: Social & Economic development, Man as a citizen, Democracy, Local Self government, Democracy at work in India, Government at state level, Government at the centre, Defense of the

country, Challenges and Problems of India, India and the world, World Problems and India's policy, Constitution of India.

GEOGRAPHY: Physical Geography, Environment, Layers of the Earth, Resources, Natural Regions of the earth, World climate, World Natural Vegetation, Human occupations, Human interaction with environment, India & Asia, Africa, North America, South America Australia, Europe & Antarctica -Physical divisions, Climate, Natural vegetation and animal life, Resources, Agriculture, Mineral and power resources, Industrial Development, Transport and Communication, Layers of atmosphere, Universe

ECONOMICS: Economics – Meaning and Definition, Basic concepts, National Income, Forms of Economic system, Institutional Set up, Infrastructure of Indian Economy, India – Agriculture development, Relation between Agriculture and Industry, Trade- Domestic and Foreign Trade of India, State and Economic development, Sociology, Political Science.

7. Syllabus for Physical Education Teacher

Scientific foundation of Physical Education, History of Physical Education, Anatomy, Physiology, Health Education, deities, Safety Education and First Aid, Organisation and Administration in physical Education, Tests and measurements in physical Education, Psychological principles in Physical Education, Major Games and Sports- Principles of officiating in major games like Foot ball, Hockey, Kho-Kho, Kabaddi, Basketball, Volleyball, T.T. Shuttle Badminton, Cricket, Recreation and Camping and minor games, Yoga, Individual Special Activities, National Ideals, Integration, Sports Current affairs.

III. Syllabus for Computer Teacher

The Combined Competitive Examination will consist of two Papers

1. Paper-1 : General Knowledge 100 Marks

ಪತ್ರಿಕೆ -1 ಸಾಮಾನ್ಯ ಜ್ಞಾನ

e) Paper -2: Optional Paper 100 Marks

ಪತ್ರಿಕೆ -2: ಐಚ್ಛಿಕ ಪತ್ರಿಕೆ

Syllabus for Paper-1: General Knowledge

Objective type Multiple Choice Questions on;

General knowledge, current affairs, General Awareness, General Intelligence and Reasoning, Numerical Ability, Mental Ability, etc., expected of a student who has passed Bachelor Degree of a University.

It will also cover questions on the Constitution of India, Indian History and Culture, General and Economic Geography of India, Current events, everyday science and such matters of everyday observation as may be expected of an educated person.

Syllabus for Paper -2: Optional Paper Computer Fundamentals and C Programming

❖ **Introduction to C Programming:**

History of C, Structure of C programme. The C character set, Contents, Variables and keywords, Types of contents and variables.

❖ **C Instructions diocese**

Type declaration and arithmetic instructions, Integer and float conversions. Type conversion in assignment, Operators in C, Hierachy of operators, control instructions, Input-Output statements in C (Formatted and Unformatted)

❖ **Control Structures**

Decision control structures, Logical operators, conditional operator and relational operators, Loop control structures - while, do-while, for loop, Break statement, Continue statement, switch-case control structure, go to statement.

❖ **Arrays**

One dimensional and multidimensional array, declaration, initialization and array manipulations, sorting (Bubble sort) Strings-Basic concepts, Library functions.

❖ **Functions**

Definition, function definition and prototyping, types of functions, types of arguments, recursions, passing arrays to functions, storage class in C-automatic, register, external and static variables.

❖ **Pointers**

Definition, notation, pointers and arrays, arrays of pointers and functions-call by value and call by reference, pointers to pointers.

❖ **Structures and Unions**

Definitions, declaration, accessing structure elements, arrays of structure in a structure, pointers and structures, unions-definition, declaration, accessing union elements, typed of, Enum Bit fields.

❖ **Bitwise Operators**

Bitwise AND, OR, Exclusive OR, Compliment, right shift and left shift operators.

❖ **C Preprocessor**

Types of C Preprocessor directives, macros, file inclusion.

❖ **Files**

File operating modes, Text and binary files, High level and low level operations on file, command line arguments

Data Structures

❖ **Introduction to data Structures**

Definition. Classification of data structures. Operations on data structures, Introduction to Time and space Complexity.

❖ **Primitive Data Structures**

Integer, Character, float, strings-memory representation and primitive operations, String manipulation using pointers.

❖ **Arrays**

Storage Representation for 1D and 2D arrays, Insertion and deletion on 1D arrays, advantages and disadvantages of arrays.

❖ **Linked Lists**

Pointers, Dynamic Memory Allocation, singly Linked Lists, and Operations on linked lists, Insertion and deletion of a node, Introduction to circularly linked lists and doubly linked lists.

❖ **Stacks**

Concepts, Operations, sequential and linked implementation, Application of stacks, recursion, tower of Hanoi, infix to postfix conversion, Evaluation of Postfix Expressions.

❖ **Queues**

Concepts, operations, sequential and linked implementation, Circular queues, Priority queues and Dequeues (Introductory concepts), Application of queues.

❖ **Trees**

Definitions and concepts - Binary trees, Sequential and Linked Representation of Binary Tree Trees, Insertion and deletion on binary trees, Binary Tree Traversal.

❖ **Graphs**

Concepts, Sequential and linked representation of Graphs, BFS and DFS Traversal.

❖ **Searching and Sorting**

Linear and Binary search, Selection sort, Insertion sort, Quick sort, Merge sort.

Operating System

History of Operating System, Simple Batch Systems, and multi programmed Batched Systems, Time Sharing Systems, Personal Computer Systems, Distributed Systems and Real- Time Systems, Operating System Structures- Command Interpreter System, Operating System Services, System Calls, System Programs.

❖ **Process Management**

Process Concept, Process control Block, Process Scheduling, CPU Scheduling - Basic Concepts, Scheduling Algorithms FIFO, RR, SJF, Multi-level, Multi-level feedback.

❖ **Storage Management**

Basic Concepts, Logical and Physical Address Space, Swapping, Contiguous Allocation, Paging, Segmentation, Virtual Memory - Demand Paging, Page Replacement, Page Replacement Algorithms, Allocation of Frames, Thrashing and Demand Segmentation.

❖ **File System**

File Concept, Access Methods, Directory Structure, Protection, File system Structure, Allocation Methods, Free-Space Management.

❖ **Input/Output Systems**

Overview of I/O systems, I/O interfaces, Secondary storage structure - Disk Structure, Disk Scheduling.

OOPS using C++

Data Base Management System

Software Engineering, System Software

Internet Technology

Basic Java and UNIX Programming, Internet Lab

Computer Graphics, Computer Networks

IV Syllabus for the Competitive Examination to the cadre of Warden.

Paper-1: General Paper	100
ಪತ್ರಿಕೆ - 1: ಸಾಮಾನ್ಯ ಪತ್ರಿಕೆ	
Paper-2: Specific Paper	100
ಪತ್ರಿಕೆ - 2: ನಿರ್ದಿಷ್ಟ ಪತ್ರಿಕೆ	

Syllabus for Paper -1: General Paper

ಪತ್ರಿಕೆ -1: ಸಾಮಾನ್ಯ ಪತ್ರಿಕೆ

Objective type Multiple Choice Questions on

GENERAL KNOWLEDGE: 1.Famous Books and Authors 2. Important Inventions & Discoveries, 3.Basic science – Scientific Phenomena 4.Hygiene and Physiology (Human), 5.Chronology of Events in World History 6.Glimpses of Indian History 7.Geographical terms(basic) 8.Sports – International & National figures 9. Awards, Honors and Prizes 10. Indian culture – Land & people – festivals. Physical geography – Population – Literacy-Natural regions – Natural Resources-Food crops – Non – Food crops-Major Industries – Projects – Public undertakings-Indian Art – Artists of recognition – Classical Awards for various achievements –National Policy on Education, Constitution of India – Major items-Union Govt. –and State Govt. – Cabinets – Indian leaders of International & National Recognition-(Who is who – India)11.Current International affairs –India’s Foreign relations 12.Current National affairs.

MENTAL ABILITY: Analogy, Classification test, Blood relation test, Series completion Test, Direction source test, Alphabet test, Abstract reasoning Test Logic test, Verification test, Coding and decoding test

EDUCATIONAL PSYCHOLOGY: Meaning and methods of Educational Psychology, Growth and Development, Individual Differences, Learning, Personality and Mental Health, Group Dynamic

Syllabus for Paper-2: Specific Paper

❖ Educational Administration

- Constitutional provisions and directive principles for education in the Indian Constitution, measures for fulfilling the Constitutional obligations;
- Role of different agencies (society, home, school) and their inter-relationship in the administration of Education;
- Education in relation to fundamental rights, democracy, secularism and social justice;

❖ **Educational Psychology:**

- Meaning and methods of Educational Psychology, Growth and Development, Individual Differences, Learning, Personality and Mental Health, Group Dynamic

❖ **New Initiatives in Karnataka**

- Quality improvement programme in Education
- Compulsory Primary Education and Incentive scheme for compulsory Primary Education.
- Incentive Programmes of Department of Public Instruction and Social Welfare Department for the children of Primary and Secondary Education---Text-books,-uniforms,-mid day meals. Residential Schools etc.,
- School development and monitoring committees
- Systems of Examination Sarva Shiksha Abhiyan(SSA) and Ratriya Madyamika Shiksha Abhiyan (RMSA) goals/objectives.
- Student /Teacher welfare Programmes.
- Examination reforms-efforts to improve quality.
- Innovative experiments in distance education
 - 1) Keli kali
 - 2) Edusat etc.,
- Inclusive education programme.
- Environment education and Health education in schools.
- Recent programmes to promote.,
 - a) Universal access
 - b) Universal enrollment
 - c) Universal retention
 - d) Universal achievement
- Right of children for free and Compulsory Education Act.
- Incentive programme of Department of Public Instruction and Social -Welfare Department for the children of Primary and Secondary Education.
- Student Welfare Programmes.
- Quality Education

❖ **Basic Computer Knowledge**

- Introduction to Computer:
- Disk Driver, Hardware, Installation of Hardware and Software's Programming, Languages, Operating System, DOS, Windows, XP, MS Office, Working with MS Word, MS Excel, MS Access, MS Power Point.
- Knowledge of Internet, Sending mails, Downloads, Searching etc.
- Networking, Knowledge of LAN, WAN.
- Maintenance of Files, Database & Hardware Components.

V. Syllabus for the Competitive Examination to the cadre of First Division Assistant -cum-Computer Operator.

1. Paper-1: General Knowledge 100Marks

ಪತ್ರಿಕೆ -1: ಸಾಮಾನ್ಯ ಜ್ಞಾನ

2. Paper-2: General Kannada and English, Basic Knowledge of Computer

ಪತ್ರಿಕೆ - 2: ಸಾಮಾನ್ಯ ಕನ್ನಡ ಮತ್ತು ಇಂಗ್ಲೀಷ್ ಹಾಗೂ ಕಂಪ್ಯೂಟರ್‌ನ

ಸಾಮಾನ್ಯ ಜ್ಞಾನ

100Marks

Syllabus for Paper-1: General Knowledge

Objective type Multiple Choice Questions on General knowledge, current affairs, General Awareness, General Intelligence and Reasoning, Numerical Ability, Mental Ability, etc., expected of a student who has passed Bachelor Degree of a University.

It will also cover questions on the Constitution of India, Indian History and Culture, General and Economic Geography of India, Current events, everyday science and such matters of everyday observation as may be expected of an educated person.

Syllabus for Paper-2: General Kannada and English and Basic Knowledge of Computer

The General Paper on General English and General Kannada to normally conform to minimum standard expected student who has passed the Bachelor's Degree Examination of a University. It is intended to test candidate's knowledge of English and Kannada in Grammar ,Vocabulary, Spelling , Synonyms, his power to understand and comprehend English and Kannada Languages and his ability to discriminate between correct and incorrect usages etc.,

❖ Basic Computer Knowledge

- Introduction to Computer:
- Disk Driver, Hardware, Installation of Hardware and Software's Programming, Languages, Operating System, DOS, Windows, XP, MS Office, Working with MS Word, MS Excel, MS Access, MS Power Point.
- Knowledge of Internet, Sending mails, Downloads, Searching etc.
- Networking, Knowledge of LAN, WAN.
 - Maintenance of Files, Database & Hardware Components.
