



**GOVERNMENT OF PUDUCHERRY
DIRECTORATE OF SCHOOL EDUCATION
PUDUCHERRY**

Puducherry, dt. 06.08.2019.

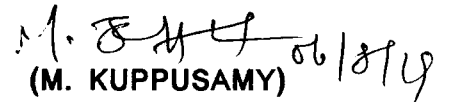
PRESS NOTE

The Directorate of School Education, Puducherry has issued a modified notification dated 05.07.2019 inviting applications for filling up the posts of Guest Balasevikas, Guest Computer Instructor and Guest Lecturers on contract basis.

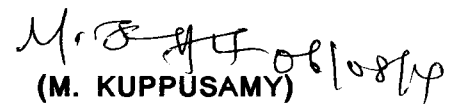
Eligible candidates for the above mentioned posts will be selected based on the marks obtained in the open competitive examination (90% weightage) and Employment Exchange Seniority (10% weightage).

The details of the open competitive examination ^{are} as follows;

- The examination will be conducted for 90 marks. 70 questions will be based on the main subjects and 20 questions will be on general knowledge and current affairs.
- The duration of the examination will be 2 hours.
- Each correct answer will fetch 1 mark and for every wrong answer, negative mark of 0.25 will be awarded.
- The syllabus for the competitive examination may be downloaded from the website of Directorate of School Education (<http://schooledn.py.gov.in>) from 06.08.2019 onwards.
- The date and venue of the competitive examination will be published in the website of the Directorate.


(M. KUPPUSAMY)
Joint Director

Kindly Publish/broadcast this news in your Newspaper/Radio/ Television.


(M. KUPPUSAMY)
Joint Director



புதுச்சேரி அரசு
பள்ளிக் கல்வி இயக்ககம்

புதுச்சேரி 06.08.2019

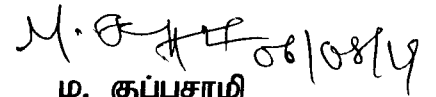
செய்திக் குறிப்பு

புதுச்சேரி அரசு, பள்ளிக் கல்வி இயக்ககம் தனது 05.07.2019 தேதியிட்ட மாற்றியமைக்கப்பட்ட அறிவிப்பின் வாயிலாக கவுரவ பாலசேவிகா, கவுரவ கணினி பயிற்றுநர் மற்றும் கவுரவ விரிவுரையாளர் பணியிடங்களை ஒப்பந்த அடிப்படையில் நிரப்ப விண்ணப்பங்கள் பெறப்பட்டுள்ளன.

போட்டித் தேர்வு (90% மதிப்பெண்) மற்றும் வேலை வாய்ப்பக பதிவு மூப்பு (10% மதிப்பெண்) அடிப்படையில் மேற்கூறிய பணியிடங்களுக்கு தகுதி வாய்ந்தோர் தேர்ந்தெடுக்கப்பட உள்ளனர்.

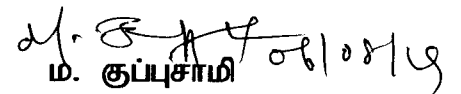
போட்டித் தேர்வு குறித்த விவரங்கள் பின்வருமாறு

- போட்டித் தேர்வு மொத்தம் 90 மதிப்பெண்களுக்கு நடைபெறும். இதில் 70 மதிப்பெண்களுக்கு பாடம் சார்ந்த வினாக்களும், 20 மதிப்பெண்களுக்கு பொது அறிவு மற்றும் நடப்பு விவகாரங்கள் குறித்த வினாக்களும் இடம் பெறும்.
- இப்போட்டித் தேர்வு 2 மணி நேரத்திற்கு நடைபெறும்.
- ஒவ்வொரு சரியான விடைக்கு 1 மதிப்பெண் வழங்கப்படும். ஒவ்வொரு தவறான விடைக்கும் 0.25 மதிப்பெண் குறைக்கப்படும்.
- போட்டித் தேர்வுக்கான பாடத்திட்டங்களை பள்ளிக் கல்வித் துறையின் இணையதளத்திலிருந்து (<https://schooledn.py.gov.in>) 06.08.2019 (செவ்வாய்கிழமை) முதல் பதிவிறக்கம் செய்து கொள்ளலாம்.
- போட்டித் தேர்வு நடைபெறும் நாள் மற்றும் இடம் குறித்த விவரங்கள் விரைவில் பள்ளிக் கல்வித் துறையின் இணையதளத்தில் வெளியிடப்படும்.


ம. குப்புசாமி

இணை இயக்குநர்

இச்செய்திக் குறிப்பினை தங்களது நாளேட்டில் / தொலைக்காட்சியில் வெளியிட / ஒளிபரப்ப அன்புடன் கேட்டுக்கொள்கிறேன்


ம. குப்புசாமி

இணை இயக்குநர்

SYLLABUS FOR ENTRANCE EXAMINATION
FOR EMPANELMENT OF VARIOUS CADERS
OF TEACHERS

INDEX

Sl. No	Subject	Page No.
1	Balasevika	1
2	Computer Instructor	3
3	Arabic	5
4	French	6
5	Hindi	7
6	Malayalam	9
7	Tamil	10
8	English	12
9	Mathematics	15
10	Physics	20
11	Chemistry	30
12	Botany	40
13	Zoology	42
14	Commerce	44
15	Economics	47
16	Political Science	56

**SYLLABUS
GUEST BALASEVIKA**

UNIT I

GROWTH AND DEVELOPMENT

Principles of Child Development - Physical Development – Prenatal Period-Stages of Infancy and babyhood- Post Natal Care - Factors affecting Growth and Development for Prenatal and Post natal - Role of Parents and teachers in the growth and development. Development of children below 3 years

UNIT II

NEEDS OF CHILDREN BETWEEN THE AGE THREE TO SIX

Child welfare - school health Programme –Development of good habits, Positive self concept, health and hygiene – health services - Balanced Diet - Malnutrition-Nutritional Deficiency Diseases - Health Education and Community participation – Emotional Problems of the child – Social needs-Emotional needs - Sensory Integration

Child Cognition I - Perception, Learning and Memory, Child Cognition II - Thinking, Reasoning and Intelligence - Physical Motor Development - Language Development - Evolving Development Profile of Child.

UNIT III

PLAYMATERIALS AND THEIR USE FOR EDUCATION OF PRE SCHOOL CHILD

Games and Play - Story Telling Songs-Music - Simple Dance - Drawing and Painting - Clay Modeling – Chart Reading- Nature Study – Activity Corners - Importance of Art Education.

UNIT IV

DELAYED DEVELOPMENT AND MEANS TO IMPROVE

Guidelines to develop delayed development - Factors causing Delayed Development- Role of Teachers, Parents and Communities Referral Services for Delayed Development Children.

UNIT V

EARLY CHILD CARE AND EDUCATION

ECCE in the NPE 1986 - Significance of ECCE - Organization of ECCE – Crèches – Anganwadis - Day Care Centre – Balwadis – Physical Facilities – Educational Programmes For ECCE –Theme Based Programme – Flexibility in the Programme - Curriculum, Equipment, Supervisors and Evaluation.

UNIT VI

KINDERGARTEN EDUCATION

Philosophy of Kindergarten Education - Aims and Functions - Concept and Meaning – Curriculum – Methods of teaching-Training Aids and Activities-Merits and Limitation

MONTESSORI SYSTEM OF EDUCATION

Philosophy and Principles in Montessori Curriculum –Methods of Teaching –Advantages and Limitations

UNIT VII

INTERGRATED CHILD DEVELOPMENT SERVICES

Objectives of ICDS - Organization and Beneficiaries – Child Development Project Officer-Anganwadi Helpers

Role of UNICEF in Pre School - Education Anganwadi Workers

Bases of Effective Programme – Balanced Development (Physical, Motor, Sensory Approaches Aesthetic) Sequencing the Programme- Individual and Group needs

Selecting Organization Experience - Extensions and Variation of the Activities – Special Children – Adopting to Individual Needs- Inclusion for Children with Special needs

Organizing and Managing ECCE – Physical Facilities and Learning Materials –Staffing – Mobilizing Community Support.

UNIT VIII

CHILDRENS EMOTIONAL DEVELOPMENT

Knowing and Managing Emotions- Childhood Neuroses –Psycho physiological disorders- Childhood Psychoses.

SYLLABUS FOR GUEST COMPUTER INSTRUCTOR RECRUITMENT

INTRODUCTION TO PROGRAMMING USING C , C++ and PYTHON

Introduction to Problem Solving – Writing algorithms - Flow charts - Tracing flow charts - Problem solving methods - Need for computer languages - Sample Programs written in C –Elements of C Programming- Statements – Arrays – Functions – Structures – Files and File operations-Object oriented programming concepts using C++ - data types – constructs – pointers – arrays – structures – functions – Classes – Objects — String Handling - Inheritance – Polymorphism – Function Overloading and Operator overloading -Manipulators - Templates – Exception Handling – I/O Streams. Python: Elements- List – Tuple – Set – Dictionary – Object oriented programming using python – Files – plotting graphs – Connecting with Web servers and MYSQL

INTRODUCTION TO PC & ITS UTILITIES

Introduction to computers: Basic components - Hardware & Software resources - Number system: Decimal, Binary, Octal, Hexadecimal, conversions - Introduction to Windows operating system, components of windows OS, Desktop properties, GUI - Microsoft Word, Microsoft Excel, Microsoft Power point commands - Introduction to DTP packages: Pagemaker, Indesing, Corel draw, Autocad-Introduction to Internet , Getting connected to internet , internet features, protocols, E- mail, Internet explorer & Outlook express - Introduction to Multimedia elements multimedia applications Multimedia data compression - Multimedia I/O technologies Multimedia application designs. Open source concepts- E-commerce- Electronic payment systems- Mobile Banking and Internet Banking- Unified payment Interface (UPI) - E-commerce security

OPERATING SYSTEM

Introduction: – Operating Systems – features – Types - Multiprocessor Systems – Distributed Systems– Clustered Systems - Real Time Systems -- Operating System Services – System Calls – System Programs - Process Concept – Process Scheduling – Cooperating Processes – Inter-process Communication. Threads: Overview – Threading issues - CPU Scheduling – Basic Concepts – Scheduling Criteria – Scheduling Algorithms – Multiple-Processor Scheduling – Real Time Scheduling - Linux overview: Kernel Architecture – Process, memory, file and I/O management – Inter process communication and synchronization – Security. Windows XP - System architecture
Introduction to system software and machine structure : System programs Assembler, Compiler, Interpreter, Operating system- Machine Structure instruction set and addressing modes- Loaders and Linkers- Debuggers

DATA STRUCTURES AND ALGORITHMS

Algorithms: Definitions and notations: standard notations - asymptotic notations – worst case, best case and average case analysis; big oh, small oh, omega and theta notations; Recursive algorithms, analysis of non-recursive and recursive algorithms- Divide and Conquer, Greedy Algorithm, Backtracking algorithms - Analysis of Sorting and Searching: Heap, shell, radix, insertion, selection and bubble sort - Linear, binary and Fibonacci search ,Stacks, Queue and Linked List operations – Tree structures.

MICROPROCESSORS AND MICROCONTROLLERS

Intel 8085 and 8086 Microprocessors: Introduction - Need for Microprocessors – Evolution – Intel 8085 Hardware - Architecture – Pin description - Internal Registers – Arithmetic and Logic Unit – Control Unit – Instruction word size - Addressing modes – Instruction Set – Assembly Language Programming - Stacks and Subroutines - Timing Diagrams - Evolution of Microprocessors – 8-bit, 16-bit and 32-bit microprocessors – Microcontroller and architecture.

COMPUTER ORGANISATION AND DESIGN

Number Systems and Boolean Algebra: - Number systems and conversion - Binary arithmetic-Binary codes - Boolean algebra - Basic Theorems - Boolean functions-Canonical forms - Simplification of Boolean functions-Karnaugh maps - Tabulation method- Sequential and Combinational circuits – Memory and Programmable logic Basic Computer Organization and Design: Instruction Codes – Computer Registers – Computer Instructions. Micro programmed Control - : Control Memory-Address sequencing- Micro program Example – Design of control unit. Computer Arithmetic: Addition, Subtraction, Multiplication, Division algorithms- Floating point arithmetic operations- Decimal arithmetic operations.-Memory Organization: Memory hierarchy – main memory – auxiliary memory –Associate memory – Cache memory – Virtual memory.

DATABASE MANAGEMENT SYSTEMS

Overview - Data Models - Database System Architecture - History of Database Systems – Types of Databases – Applications of Databases- Entity-Relationship Model: Basic Concepts - Relational Model: Structure of Relational Databases – Normalization- SQL: Basic Structure Set Operations - DDL, DML & DCL Commands and all type of queries, Aggregate Functions - Embedded SQL, Dynamic SQL and Other SQL Features. - MYSQL Server and Administration commands

COMPUTER NETWORKS

Introduction to Computer Networks: Need for Networking - Service Description – Internet, Intranet, Extranet – Protocols: HTTP, FTP, TCP/IP, UDP, SMTP, HTTPS, ICMP, ARP – OSI Seven Layers and its services – DNS – Network cabling -Connectionless and Connection-Oriented Services – Circuit and Packet Switching - Routers - Mobile Networks- Multimedia Networking: Internet Telephony – RTP – RTCP – RTSP. Network Security: Principles of Cryptography – Firewalls – Application Gateway – Attacks and Countermeasures.

WEB TECHNOLOGY

Internet Principles and Components: History of the Internet and World Wide Web- – HTML - protocols – HTTP, SMTP, POP3, MIME, IMAP. Web Browsers and Web Servers - Server side Programming Languages – Client Server Architecture – Introduction to PHP – Function and Arrays – Conditional statements- Looping structure – Forms and files – Connecting PHP and MYSQL- Introduction to JavaScript - JavaScript Core Features – Elements of Javascript - Fundamental Client-Side JavaScript: JavaScript Object Models - The Standard Document Object Model - Event Handling. Using JavaScript: Controlling Windows and Frames - Handling Documents - Form Handling- Using JavaScript: Dynamic Effects: Rollovers, Positioning, and Animation - Web Services: Introduction to Web Services, UDDI, SOAP, WSDL, Web Service Architecture, Developing and deploying web services.

SYLLABUS FOR GUEST LECTURERS

Subject: ARABIC

Communication Skills In Arabic- Literature in Arabic- Translation and Communication in Arabic-
Indian Heritage in Arabic- Literature in Arabic- Business Communications In Arabic- Literature in
Arabic- Communicative skill in Arabic

Communication Skills In Arabic- Literature in Arabic- Translation and Communication in Arabic-
Indian Heritage in Arabic

**SYLLABUS FOR RECRUITMENT OF LECTURERS IN FRENCH IN THE SCHOOLS OF
PUDUCHERRY**

LITERATURE

- A. Moyen Age : La Ballade des pendus, François Villon.
- B. XVI siècle et XVII siècle :
Quand vous serez bien vieille, Pierre de Ronsard- Essais, Montaigne Phèdre, Jean Racine Le Cid, Pierre Corneille-Le Chêne et le Roseau, Jean de la Fontaine-L'Avare, Molière-Discours de la méthode, René Descartes
- C. XVIII et IX siècle :
Lettres persanes, Montesquieu-Zadig, Voltaire-Emile ou l'Education, Jean Jacques Rousseau-Le mariage de Figaro, Beaumarchais-Le lac, Alphonse de Lamartine Le père Goriot, Honoré de Balzac Les misérables, Victor Hugo-Correspondances, Charles Baudelaire Madame Bovary, Gustave Flaubert L'Assommoir, Emile Zola-Sagesse, Paul Verlaine-Oncle Jules, Maupassant
- D. XX siècle :
Le pont Mirabeau, Apollinaire-Pour faire le portrait d'un oiseau, Jacques Prévert Liberté, Paul Eluard-La condition humaine, André Malraux-Huis clos, Jean Paul Sartre L'Etranger, Albert Camus La Leçon, Eugène Ionesco- En attendant Godot, Samuel Beckett

GRAMMAR and Language skills

- A. Les parties du discours (Parts of speech) : Noms, déterminants, verbes....
- B. Vocabulaire
- C. Expressions, proverbes....
- D. Translation of Sentences, Idioms, Proverbs, Essay writing, Comprehension, dialogues, friendly letters and official letters

CULTURE and CIVILISATION

- A. Histoire de France : Rois de France,
L'Age classique-La révolution française- La Troisième République -La grande guerre- La Quatrième République- La Cinquième République-
- B. Géographie de France :
Frontières, régions, départements, fleuves, montagnes....
Héritage : Devise, drapeau, hymne national, vins, fromages, monuments historiques, touristiques... Sports

LINGUISTICS and METHODOLOGY OF TEACHING FRENCH AS A FOREIGN LANGUAGE

- A. Phonétique, phonologie, théorie de la communication.
- B. Morphologie, syntaxe, sémantique, stylistique.
- C. Mots-clés de la didactique du FLE. Analyse des méthodes françaises et indiennes.
- D. Evolution des méthodes : méthodes traditionnelles, SGAV, approche communicative....
- E. CECR : Le Cadre européen commun des références pour les langues.
- F. Fabrication des exercices, utilisation des documents authentiques.

Hindi syllabus

१ हिन्दीकथासाहित्य कहानी, उपन्यास

कहानीकी परिभाषा, स्वरूपतत्त्व एवंप्रकार, कहानीऔरअन्य गद्य विधाओंअन्तर, हिन्दीकहानीउद्भवऔरविकास, उपन्यास की परिभाषा, स्वरूप, तत्त्व एवंप्रकारऔरअन्य गद्य विधाओंअन्तर, हिन्दीकहानीउद्भवऔरविकास

२ प्रयोजनमूलकहिन्दी

पत्रकारिता ,सम्पादनकला, मीडियालेखन , प्रमुख जनसंचारमाध्यम, माध्यमोपयोगीलेखन, पत्राचारऔरअनुवाद ।

३ आधुनिकहिन्दीकाव्य

रामधारी सिंह दिनकार की रचनाएँ, नागार्जुन , अज्ञेय , मैथिलीशरणगुप्त, जयशंकरप्रसाद, सूर्यकान्त त्रिपाठीनिरालाआदिकवियों एवंकविताओंका अध्ययन।

४ हिन्दीसाहित्य काइतिहास

कालविभाजन, सीमानिर्धारणऔरनामकरण, आदिकाल की पृष्ठभूमि, विशेषतायें, पूर्वमध्यकाल, भक्ति के उद्भव के कारण, उत्तरमध्यकाल की ढतिहासिकपृष्ठभूमि, रीतिकालीनसाहित्य की विभिन्नकाव्यधारायें ।आधुनिककाल की सामाजिकख राजनैतिकपृष्ठभूमि, भारतेन्दु युग, द्वेदी युग, छायावाद, प्रगतिवाद, प्रयोगवादनयीकविता, समकालीनकविता की विशेषताएँ, प्रमुख साहित्यकारऔररचनाएँ, हिन्दी गद्य की प्रमुख विधाओंकाउद्भवऔरविकास,

५ अनुवादशिक्षण

अनुवाद की परिभाषाएँ, महत्व, प्रकार, सामान्य सिद्धांत, समस्याएँ, काव्यानुवाद, नाट्यानुवाद, कथानुवाद, अनुवाद के लक्षणऔर योग्यताएँ, औरभाषाविज्ञान

६ राजभाषाप्रशिक्षण

प्रशासन की व्यवस्थाऔरभाषा, भारत की बहुभाषिकताऔर एक संपर्कभाषा की आवश्यकता, राजभाषाकार्यालयीनहिन्दी की प्रकृति

७ प्राचीनहिन्दीकाव्यऔरकाव्यांग

काव्य कास्वरूप, रसकास्वरूप, शब्दशक्ति, अलंकार, छन्द , विद्यापति, कबीर, जायसीए सूरदास, तुलसीदास, बिहारी, मीराबाई, घनानन्द, भूषणऔरपद्माकर ।

८ हिन्दीनाटकऔर एकांकी

परिभाषाऔरस्वरूप, उद्भावऔरविकास, प्रमुख शैलियाँ

९ हिन्दीभाषा

हिन्दीभाषाकाउद्भवऔरविकास, प्राचीनभारतीय आर्यभाषाएँ, वैदिकतथालौकिकसंस्कृतऔरउनकीविशेषतायेँ, मध्यकालीनऔरआधुनिकआर्यभाषाएँऔरउनकीविशेषताएँ, हिन्दी की उपभाषाएँएँ बोलियोंकापरिचय, हिन्दी के विविध रूप, देवनागरीलिपि ।

१० निबंध औररचना

निबंध काविकास, साहित्यिकनिबंध, सामान्य निबंध, सारलेखन, व्यावहारिकहिन्दीऔररचना।

११ भाषाशिक्षण

स्वरूपऔरप्रयोजन, भाषाकौशल, व्यतिरेकीभाषाविज्ञानऔरभाषाशिक्षण, भाषाअधिगम औरभाषाअर्जन एवंभाषाशिक्षण मेंउसकीउपयोगिता, भाषापरीक्षण औरमूल्यांकनख हिन्दीभाषाशिक्षण

१२ साहित्य स्वरूपऔरविधाएँ

साहित्य काअर्थ, परिभाषा, तत्व, समाज, विविध विधाएँ, दृश्यकलामेंनाटकआदि, श्रव्यकलामेंपद्य आदि, पद्यमंप्रबन्धकाव्य, मुक्तिकाव्य, गद्यमेंउपन्यास, कहानी, आलोचना, जीवनी

१३ भाषाविज्ञान

रूप, एकाकालिक, ऐतिहासिक, तुलनात्मकऔरप्रायेगिक , शाखाएँऔरउपयोगिता, स्वन विज्ञान, रूपविज्ञान, वाक्य विज्ञान, अर्थविज्ञान

Subject: MALAYALAM

Malayalam Poetry- Contemporary Fiction- Malayalam Prose- Literature of Visual Art

Prose, Poetry and Functional Malayalam- Fiction, Drama and General Essay

Fiction and Language Computing- Poetry and Essay- Early Modern Poetry- Cultural History of Ancient Kerala- A)Writings For Print Media B)Functional Malayalam

Modern Poetry- Cultural History Of Modern Kerala- A)Writings For Visual Media
B) Comparative Literature- Environmental Studies

History of Ancient Malayalam Literature- Fiction- A) Sanskrit
B) Visual and Performing Arts

History Of Modern Malayalam Literature- Introduction to Malayalam Software-
A)General Linguistics
B) Screen Play and Film studies

Prosody and Poetics- Literary Theories- Ancient and Medieval Literature- Drama-
A) Folkloristic
B) Feminist Literary Theory and Criticism

Malayalam Grammar- Literary Criticism- General Prose- Translation
A) Introduction to Cultural Studies
B) Eco Aesthetics

பாடத்திட்டம் : தமிழ்

- பிரிவு 1 மொழி ஆராய்ச்சியின் தோற்றம் - மொழி இனங்கள் - தமிழின் தொன்மை - உயர் தனிச் செம்மொழி - காலந்தோறும் தமிழ்.
சொற்றொடர் அமைப்பு - சொற்பொருள் மாற்றம்- பேச்சுத்தமிழும் எழுத்துத்தமிழும் - கலைச்சொல்லாக்கம்.
- பிரிவு 2 எழுத்து, சொல்(நன்னூல்), யாப்பு (யாப்பெருங்கலக்காரிகை), அணி(தண்டியலங்காரம்) - இறைச்சி, உவமை, உள்ளுறை, படிமம், தொன்மம், குறியீடு,
- பிரிவு 3 சங்க இலக்கியங்கள் அகம், புறம்(அவ்வையார், நக்கீரர், பரணர், கபிலர்).
- பிரிவு 4 காப்பியங்கள் - சிலப்பதிகாரம்(மதுரை காண்டம்)- கம்பராமாயணம் (கிட்கிந்தா காண்டம்)- பதினெண்கீழ்கணக்கு நூல்கள் (திருக்குறள், நாலடியார்).
சிறுநூல்களில் - (குற்றால குறவஞ்சி, தமிழ்விடு தூது, நந்திக் கலம்பகம், முக்கூடற்பள்ளு)
- பிரிவு 5 பக்தி இலக்கியம் - தேவாரம் - (திருநாவுக்கரசர், சுந்தரர், திருஞானசம்பந்தர், மாணிக்கவாசகர்) திவ்யப்பிரபந்தம்(குலசேகரஆழ்வார், ஆண்டாளர், பெரியாழ்வார், நம்மாழ்வார்) - கிருத்துவ இலக்கியம்(தேம்பாவணி), இஸ்லாம் இலக்கியம்(சீறாப்புராணம்).
- பிரிவு 6 தற்கால இலக்கியங்கள் தோற்றமும் வளர்ச்சியும் - இலக்கியத்திறனாய்வு,புதுக்கவிதை பாடுபொருள், உத்தி, கவிதை - (பாரதியார்,பாரதிதாசன், வாணிதாசன், சிற்பி பாலசுப்பிரமணியன்,சுரதா),-
சிறுகதை - நாவல் (புதுமைபித்தன், ஜெயகாந்தன், சி.சு.செல்லப்பா, கீ.ராஜநாராயணன், அம்பை) நாடகம் - (மனோன்மணியம், சங்கரதாஸ் சுவாமிகள் - நாடகம் எழுதும் ஆற்றலைச் சோதித்தல், நாடக இலக்கியம், நாடக இலக்கிய வகைகள்.
- பிரிவு 7 தமிழக வரலாறும் பண்பாடும் - புதுவை வரலாறும் பண்பாடும் (விடுதலைக்குப்பின்)
- பிரிவு 8 அறிவியல் தமிழ் - அறிவியல் பயன்பாட்டு சொற்கள்- சுற்றுச்சூழல்கல்வி- இதழியல் - கணினித்தமிழ்/வலைத்தமிழ்- இணையப் பயன்பாடுகள்- மின்னஞ்சல்

பிரிவு 9 மொழிபெயர்ப்பு தோற்றமும் வளர்ச்சியும் - மொழிபெயர்ப்பின் நெறிமுறைகள் புலம்பெயர் இலக்கியங்கள் - விளக்கம் வரையறை - தமிழர்களின் புலம்பெயர் இலக்கியங்கள் - நாட்டுப்புற இலக்கியங்கள் (ஆ.திருநாகலிங்கம், கே.ஏ.குணசேகரன்) பேச்சுக்கலை - பட்டிமன்றம்-சொற்பொழிவு

பிரிவு 10 தகவல் தொடர்பியல் - தோற்றமும் வளர்ச்சியும் - இன்றைய பயன்பாடும். -வானொலி, தொலைக்காட்சி, திரைப்படம்.

ENGLISH

INDIAN WRITING IN ENGLISH

Poetry:-

Sri Aurobindo, 'The Tiger and the Deer', Sarojini Naidu, 'Palanquin Bearers', Nissim Ezekiel, 'Enterprise', Kamala Das, 'The Old Play House', Shiv. K.Kumar, 'Indian Women'

Prose

Swami Vivekananda, 'Work and its Secret', Dr. Abdul Kalam, "My Visions for India, Nehru 'An Autobiography'.

Drama:

Manjula Padmanabhan, Harvest, Girish Karnad Tughlaq

Short Stories : R.K.Narayan – 'An Astrologer's Day', Sudha Murthy, 'Humility in Sahyadri Hills'

PROSE

Francis Bacon, 'Of Studies', 'Of Truth', 'Of Friendship', 'Of Ambition', Oliver Goldsmith, 'Man in Black', Joseph Addison, "Sir Roger at Church", Charles Lamb, 'Dream Children', William Hazlitt, "On Reading Old Books", Essays of Elia, Russell, 'An Ideal Individual', G.K. Chesterton, 'Advantages of Having One Leg', Doris Lessing, 'The Golden Book', Orwell, 'Sporting Spirit'

POETRY

William Shakespeare, Sonnet 116 'Let me not to the marriage of true minds', John Donne, 'The Sun Rising', Canonisation, John Milton, 'How Soon Hath Time', Paradise Lost Book IX, John Dryden, 'A Song for St. Cecilia's Day', William Blake, 'Chimney Sweeper', William Wordsworth, 'On Westminster Bridge', Tintern Abbey, S.T. Coleridge, 'Kubla Khan', P.B. Shelley, 'Ode to the Sky Lark', John Keats, 'Ode to a Nightingale', 'Ode on a Grecian Urn', Robert Browning, 'My Last Duchess', Lord Tennyson, 'Lotus Eaters', Morte D'Arthur, W. B. Yeats, 'The Second Coming', Byzantium, Ted Hughes, 'Thought Fox', W.H. Auden, 'Musee De Beaux Arts'

FICTION

Jane Austen, Mansfield Park, Charlotte Bronte, Jane Eyre, Charles Dickens, Christmas Carol, Great Expectations, Virginia Woolf, Mrs. Dalloway, To the Light House

HISTORY OF ENGLISH LITERATURE

Elizabethan Age, Augustan Age., Romantic Age., Victorian Age, Modern Age.

ENGLISH LANGUAGE AND LINGUISTICS

The Nature and scope of Linguistics, Phonetics, Phonology, Morphology, Syntax

COMMUNICATION SKILLS

Effective communication / miscommunication, The secrets of good conversation, Telephone conversation, Interviews, Group Discussion, Public Speech – Compering.

BRITISH DRAMA

Drama - Origin and development of British Drama, Marlowe, Doctor Faustus, Oscar Wilde, The Importance of Being Earnest, T.S. Eliot, Murder in the Cathedral, Osborn, Look Back in Anger

LITERARY FORMS

Literary Terms, Poetry, Prose, Drama, Fiction

WRITING SKILLS

Formal and Business communication, Note Making, Abstract, Report writing (Agenda, Minutes & Reports), Paragraph & Digital communication

ENGLISH FOR COMPETITIVE EXAMINATION

Basics of English, Spotting Errors, Sentence Completion, Reading comprehension, Précis Writing, Foreign Expressions, Idioms and Phrases, Letter Writing, Reports, General Essays

LITERARY CRITICISM

Classical – Aristotle, Horace, Longinus, Dr. Johnson – Preface to Shakespeare, Matthew Arnold – “The Study of Poetry”, I. A. Richards – “Four Kinds of Meaning”, T S Eliot: “Tradition and Individual Talent”

SHAKESPEARE

Introduction to Shakespeare, Macbeth, The Tempest, Julius Caesar, As You Like it, Measure for Measure

AMERICAN LITERATURE

PROSE:

Emerson – ‘Self Reliance’

POETRY

Walt Whitman – “O Captain My Captain”, Emily Dickinson – “Success is counted sweetest”, Robert Frost – “Birches”, Sylvia Plath – “Lady Lazarus”, Maya Angelou – “When the Caged Bird sings”.

DRAMA

Eugene O’neil – Hairy Ape

FICTION

Hemingway – Old Man and the Sea, Alice Walker – In search of My Mother’s Garden

POST-COLONIAL LITERATURE

New Literatures in English: Cultural Nationalism in a Changing World by Bruce King, Introduction in Empire Writes Back by Bill Ashcroft, Garreth Griffith and Helen Tiffins, Routledge, London, 2003.

POETRY

Atwood – ‘Photograph of me’, Emily Liang – ‘United We Stand’, A.D. Hope – ‘Australia’, Allen Curnow – ‘House and Land’

DRAMA

Douglas Stewart – Ned Kelly

FICTION

Chimamanda Adichi – Purple Hibiscus

SHORT STORY

Chinua Achebe – ‘Marriage is a Private Affair’

ENGLISH FOR MASS MEDIA

James Glen Stovall – Writing for the Mass Media, Pearson, 1985., Srivastava-News reporting and Editing, Sterling publishers, 2013.

SOFT SKILLS

Team work, Emotional Intelligence, Adaptability, Leadership, Problem Solving

Translation studies

Translation Theories, History of Translation, Key concepts in Translation Studies, Problems of Translation, Recent Translation Theories

LITERATURE IN TRANSLATION

A.K.Ramanujan – “Hymns for the Drowning” V.V.S.Iyer– “Thirukkural“, Pablo Neruda – “Ode to Hope”, Octavia Paz – “No More Clichés”, Pushkin – “The Tale of Tsar Saltan”, Jayamohan – “The Elephant Doctor“, Thagazhi Sivasankaram Pillai – Chemeen, Antoine de Saint-Exupéry- The Little Prince, Herman Hesse – Siddhartha

CONTEMPORARY LITERARY THEORIES

Marxism, Subaltern Studies, Post Colonialism, Post Modernism, Eco-criticism, Gender Studies

WOMEN WRITING

POETRY

Elizabeth Bishop- ‘I am in Need of Music’, Halina Poswiatowska- ‘It’s we who gave birth...’, Adrienne Rich – ‘Diving into the Wreck’ Gaurie Desponde – ‘Female of the Species’

PROSE

Leila Seth- Talking of Justice (Chapter on women’s rights) Chandra Talpade – “Under Western Eye”

SHORT STORY Mahaswetha Devi – Rudali

FICTION Monica Ali -The Brick Lane, Lights and Shadows (Collection of Short stories)

ENVIRONMENTAL CONSCIOUSNESS THROUGH A STUDY OF LITERATURE

POETRY

William Shakespeare – “Sonnet 20” John Keats – ‘Bright Star, Would I Were’ Wallace Stevens- ‘The Snow Man’ Robert Frost – ‘Stopping by Woods on a Snowy Evening’, Rabindranath Tagore – ‘She Dwelt on the Hill side’ Sarojini Naidu – ‘Autumn Song’.

PROSE Thoreau – ‘Where I lived and what I lived for’

DRAMA : Chekhov – The Cherry Orchard

FICTION Indra Sinha -Animal’s People

INDIAN CULTURE THROUGH LITERATURE

Prose: Sri Aurobindo- ‘The Renaissance in India’, A.K Ramanujan- ‘Where Mirrors are Windows’ Michel Danino- ‘Effects of Colonisation’

Poetry: Swami Vivekananda- “Angel Unawares”, Rabindranath Tagore – “Freedom” Toru Dutt – “Lakshman”

Drama Girish Karnad - Nagamandala

Fiction Neela Padmanaban- Generations

Short stories Devdutt Pattanaik - Indian Mythology

For the post of Written Recruitment Test for the post of Lecturer

Syllabus: Mathematics

THEORY OF EQUATIONS AND TRIGONOMETRY

Relations between the roots and the coefficients of a general polynomial equations in one variable–Transformation of equations– Descarte’s rule of signs. Solution of cubic equations :Cardon's Method - Trigonometrical method–Horner’s Method, Bi-quadratic equation–Ferrari method. De Moivre’s theorem and its applications–Direct and Inverse circular and hyperbolic functions. Logarithm of a complex quantity–Expansion of Trigonometrical functions. Gregory's series–Summation of series.

DIFFERENTIAL CALCULUS

n^{th} derivative – Standard results – Trigonometrical transformation – Formation of equations involving derivatives – Leibnitz formula. Total differential coefficients – Euler’s theorem – Partial derivatives of a function of two functions - Equations of tangent and normal - Taylor expansions of single and double variables. Maxima and Minima of two variables – Lagrange’s method of undetermined multipliers - Angle of intersection of curves– Sub tangent and Sub Normal. – Angle between the radius vector and tangent – Angle between the intersection of two curves – Polar sub tangent and sub normal. Circle, radius and centre of curvature – Cartesian formula for radius of curvature – envelope.

ANALYTICAL GEOMETRY - 3D

Angle between 2 lines-projections-direction cosines-relation between the direction cosines of a straight line-the projection of the line joining $P(x_1, y_1, z_1)$ and $Q(x_2, y_2, z_2)$ on any line with d.c.'s l, m, n - direction cosines of any line joining 2 points-angle between the lines whose direction cosines are (l_1, m_1, n_1) and (l_2, m_2, n_2) . General equation, angle between two planes, length of perpendicular from a given point to a plane, equations of the plane bisecting the angle between two planes. Symmetrical form, line through two points, reduction of unsymmetrical form to the symmetrical form - condition for a line to lie on a plane - plane through a line - condition for the two lines to be coplanar (Cartesian form) - equation of the plane containing two lines - To find the shortest distance between two skew lines - equation of the shortest Distance in Cartesian. Equation of a sphere with given centre and radius - general equation of a sphere - diameter form - and circular section. Equation of a Cone with its vertex at the origin - equation of a quadratic cone with given vertex and given guiding curve - necessary condition for general equation of second degree to represent a cone - circular cone - equation of circular cone with given vertex - axis and semi vertical angle.

INTEGRAL CALCULUS

Integration of rational algebraic functions – Integration of irrational algebraic functions - Properties of definite integrals Integration by parts – Bernoulli’s formula – Reduction formulae Evaluation of double integral – Changing of order of integration- Double integral in Polar co-ordinates – Triple integral Jacobian – Change of variables in the case of two variable and three variables – Transformation from Cartesian to polar co-ordinate - Transformation from Cartesian to spherical co-ordinates –Properties – relation between Beta and Gamma functions - Recurrence formula.

ABSTRACT ALGEBRA

Definition of Group - examples of groups- Some preliminary lemmas - Subgroups. A counting principle - Normal subgroups and Quotient Groups – Homomorphisms. Automorphisms - Cayley's theorem - Permutation groups. Definition of Ring- examples of a rings - Some special classes of rings - Homomorphisms – Ideals and quotients rings. More ideals and quotients rings -The field of quotients of an integral domain.

LINEAR ALGEBRA

Vector spaces - Elementary Concepts – subspaces Linear independence - Bases - Dual spaces Inner product spaces Algebra of Linear transformations - Characteristic roots. Matrices : Canonical forms - triangular forms

REAL ANALYSIS

Sets and elements — Operations on sets — Functions - Real valued functions-Equivalence—Countability—Real numbers—Least upper bound — Greatest lower bound. Definition of sequence and subsequence — Limit of a sequence — Convergent sequence — Bounded sequence Monotone sequence - Operation on convergent sequence - Limit superior and limit inferior — Cauchy sequence Convergence and divergence- Series with non - negative terms – Alternating series—Conditional convergence and absolute convergence- Tests for absolute convergence-Series whose terms form an on-increasing sequence — Summation by parts. Limit of a function on the real line - Metric spaces (Examples 4 and 5 under 4.2 c to be omitted) - Limits in metric spaces. Functions continuous at a point on the real line Reformulation — Functions continuous on a metric space - Open sets and closed sets – Discontinuous functions on \mathbb{R} More about open sets-Connected sets. Bounded sets and totally bounded sets-Complete metric spaces. Compact metric spaces Continuous functions on compact metric Spaces-Continuity of the inverse function-Uniform continuity Sets of measure zero - Definition of the Riemann integral - Existence of the Riemann integral- Properties of the Riemann integral Derivatives - Rolle's theorem - The Law of the Mean - Fundamental theorem of Calculus - - Improper integrals. Hyperbolic function - The exponential function - The logarithmic function - Definition of x^a - The trigonometric function - Taylor Theorem -L'Hopital's rule.

LOGIC AND LATTICES

Connectives – negation – conjunction – disjunction – statement formulas and truth tables – Conditional and bi conditional - well formed formulas – tautologies – equivalence of formulas – duality law – tautological implications Normal forms – disjunctive normal forms – conjunctive normal forms – principal disjunctive normal forms – principal conjunctive normal forms Partial ordering – lexicographic ordering – Partially ordered set – Hasse diagram – least member – greatest member – minimal member – maximal member – least upper bound – greatest lower bound Lattice – examples – properties of lattices – lattices as algebraic systems – sub lattices – direct product – homomorphism – order preserving – Special lattices– complete lattice – bounded lattice – complement – complemented lattice – distributive lattice Boolean algebra - - properties – examples – sub algebra – direct product – homomorphism – Boolean functions – karnaugh maps for one variable – two variables – three variables

VECTOR CALCULUS

Gradient of a scalar function –properties – directional derivatives – Divergence of a vector function – Curl of a vector function–related problems Vector identities – Line integrals – related problems Surface integrals – Volume integrals Green's theorem – Stokes's theorem – Verification of theorems Gauss divergence theorem – Verification of theorem.