



TAMIL NADU PUBLIC SERVICE COMMISSION

NOTIFICATION NO:08 /2016

DATED: 11.04.2016

Applications are invited from the candidates through online mode upto 10.05.2016 for Direct Recruitment to the following post in the ELCOT:-

Candidates have to Register their basic particulars in online mode through One - Time Registration which is mandatory on payment of Rs. 50/- towards registration fee.

Name of the Post	Name of the Organisation	No. of vacancies	Scale of pay
Deputy Manager -II	ELCOT (Information Technology Department)	12	Rs.15600-39100+ Grade Pay Rs.5400/-

The candidates have to upload all the certificates in support of age, educational qualification, community, experience and PSTM (if applicable) in the format available in the Commission's website along with the application.

2. DISTRIBUTION OF VACANCIES:-

GT(G)	GT(G) PSTM	GT(W)	BC(G)	BC(W)	MBC/DC (G)	MBC/DC(W)	SC(G)	SC(W)	SC(A) (W) PSTM
2	1	1	2	1	1	1	1	1	1

GT- General Turn , BC - Backward Class, MBC/ DC - Most Backward Class/ Denotified Community, SC- Schedule Caste, A - Arunthathiar, G - General, W - Women, PSTM- Persons Studied in Tamil Medium.

3. IMPORTANT DATES:-

Date of Notification	11.04.2016	-
Last date for submission of applications	10.05.2016	-
Last date for payment of Fee through Bank (State Bank of India / Indian Bank)	12.05.2016	-
Date and Time of Written Examination		
Paper-I (Subject Paper-I)	02.07.2016 FN	10.00 A.M. to 01.00 P.M.
Paper-II (Subject Paper-II)	02.07.2016 AN	02.30 P.M. to 05.30 P.M.
Paper-III (Engineering Aptitude with General Studies)	03.07.2016 FN	10.00 A.M. to 01.00 P.M.

4. Examination Fees:

One - Time Registration fee	Examination fee
Rs.50/-	Rs.125/-

Candidates who have already registered in one time Registration System it is enough to pay the Examination Fee.

EXAMINATION FEE CONCESSION:-

Category	Concession	Condition
Scheduled castes / Scheduled Caste (Arunthathiyars)	Full Exemption	--
Scheduled Tribes	Full Exemption	--
Most Backward Class / Denotified Communities	Three free Chances	For Degree Holders
Backward Classes(Other than Muslim) / Backward Classes (Muslim)	Three free Chances	For Degree Holders
Ex-Servicemen	Two free Chances	Minimum General Educational Qualification
Differently Abled Persons	Full Exemption	--
Destitute Widow	Full Exemption	--

- The three / two free chances allowed are not for **EACH POST** but for **ANY THREE /TWO APPLICATIONS ONLY**. The claim for exemption from payment of fee made in any application which is rejected / admitted or withdrawn will be counted as a free chance. (Further details regarding Fee Concession is mentioned at para 12 of "Instructions to the Candidates")

5. QUALIFICATIONS:-**5.A. AGE** (as on 01.07.2016):

Sl. No.	Category of Candidates	Minimum Age (should have completed)	Maximum Age (Should not have completed)
1.	SCs, SC(A)s, STs, MBCs/DCs, BCs (OBCMs), BCMs and Destitute Widows of all Castes.	18 Years	No Age Limit
2.	'Others' [i.e. candidates not belonging to SCs, SC(A)s, STs, MBCs/DCs, BCs (OBCMs) and BCMs].	18 Years	30 Years

Note:

Para. 3(d) of the 'Instructions to candidates' will not apply to this recruitment.

5.B. EDUCATIONAL QUALIFICATION (as on 11.04.2016)

Candidates should possess the following qualification:

- | |
|---|
| 1. (i) B.E. Degree in Electronics and Communication Engineering
(OR)
(ii) B.E. Degree in Computer Science Engineering
(OR)
(iii) B.Tech Degree in Information Technology
AND
2. Five (5) years experience in Software/ Hardware Company. |
|---|

Para 10 of the "Instructions to the candidates" will not apply to this recruitment.

Note

- (i) The Degree / Post Graduate Degree qualification prescribed should have been obtained after passing SSLC/10th, Diploma/H.S.C, Degree as the case may be.
- (ii) Candidates possessing the qualification other than those mentioned in the above table are not eligible to apply.

5(C)(i). EXPERIENCE CERTIFICATE:-

- (i) 5 years of experience should have been acquired either in Hardware or Software.
- (ii) Experience certificate should be obtained from Software Company specifying the period and experience in Hardware / Software as shown below:

From-----To -----in Software/Hardware

- (iii) The experience qualification should have been obtained after acquiring the prescribed educational qualification

5(C)(ii). AGREEMENT FORMAT:-

Candidates selected to the post of Deputy Manager-II in ELCOT should produce an agreement in the form furnished below:

AGREEMENT

I hereby declare that I have read and understood the Service Rules of the Electronics Corporation of Tamil Nadu Limited, and I hereby subscribe to and agree to be bound by the said rules and regulations.

Date:

Signature:

Name in full:

Designation:

5(C)(iii) CERTIFICATE OF PHYSICAL FITNESS:-

Candidates selected for appointment to the post will be required to produce a certificate of physical fitness in the form prescribed below:

Name of the Post	Standard of Vision	Form of Certificate of Physical Fitness
Deputy Manager – II in ELCOT	Standard-III or better	Form prescribed for Executive post.

6. GENERAL INFORMATION:

- A. The Rule of reservation of appointments is applicable to the post.
- B. In G.O. (Ms.) No.145, Personnel and Administrative Reforms (S) Department, dated 30.09.2010, and G.O.(Ms.)No.40 Personnel and Administrative Reforms(S) Department dated 30.04.2014 the Government have issued orders to fill up 20% of all vacancies in Direct Recruitment on preferential basis to persons who studied the **prescribed qualification** in Tamil Medium. The 20% reservation of vacancies on preferential allotment to **Persons Studied in Tamil Medium (PSTM)** will apply for this recruitment. (Candidates claiming this reservation should have studied the prescribed qualification for the post in Tamil Medium and should have the certificate for the same. Having written the

examinations in Tamil language alone will not qualify for claiming this reservation). If the candidates with PSTM are not available for selection for appointment against reserved turn such turn shall be filled up by Non-PSTM candidates but belonging to the respective communal category. The PSTM reservation certificate, shall be produced / uploaded by the candidate as it has been in prescribed format / proforma available in the Commission's website at 'www.tnpsc.gov.in' which shall be obtained from the Head of the Institution.

(Further details are at Para 29 (XIX) of the Instructions to the Candidates)

- C. The number of vacancies advertised is only approximate and is liable for modification including reduction with reference to vacancy position at any time before finalisation of selection.
- D. If no qualified and suitable woman candidates are available for selection against the vacancies reserved for them, those vacancies will be filled by male candidates belonging to the respective communal categories.
- E. 3% reservation for Differently Abled Persons will not apply to this recruitment.
- F. The Differently Abled persons should upload a copy of certificate of physical fitness specifying the nature of physical handicap and the degree of disability based on the norms laid down, from the Medical Board to the effect that his/her handicap will not render him/her incapable of efficiently discharging the duties attached to the post to which he/she has been selected before appointment when called for by Tamil Nadu Public Service Commission.
- G. Reservation of appointment to "Destitute Widows" and "Ex-servicemen" will not apply to this recruitment.
- H. Even after filling up of the post reserved for SC Arunthathiyars on preferential basis, if more number of qualified Arunthathiyars are available, they shall be entitled to compete with the Scheduled Castes other than Arunthathiyars in the inter-se merit among them and if any posts reserved for Arunthathiyars remain unfilled for want of adequate number of qualified candidates, it shall be filled up by Scheduled Castes other than Arunthathiyars.
- I. Any claim relating to the selection (not related to candidature or / and claims made in the application) should be sent when called for documents / uploading document is made. Any claim received thereafter will not be entertained.
- J. Correct and true information regarding arrest, convictions / debarment / disqualification by any recruiting agency, criminal or any disciplinary proceedings initiated or finalised, participation in agitation or any Political Organisation, candidature in election for Parliament / State Legislature / Local Bodies etc, if any, should also be furnished to the Commission at the time of application i.e. the details thereof, originals of the judgement of Acquittals, order/ or G.O. Dropping further action in Departmental proceedings or any document that may prove the suitability of such candidates for a Government appointment in such cases must be produced at the stage / time of certificate verification.

K. Applications containing wrong claims relating to other basic qualifications / eligibility age/ category of reservation / educational qualification will be liable for rejection.

7. SCHEME OF WRITTEN EXAMINATION (OBJECTIVE TYPE) AND ORAL TEST:-

Subject	Duration	Maximum Marks	Minimum Qualifying Marks for selection	
			SCs, SC(A)s, STs, MBC/DCs BC(M)s & BCs (OBCMs)	Others
I. WRITTEN EXAMINATION in OMR Format: Paper-I [Degree Standard / Objective Type] (200 items) Covering all the three disciplines i. B.E. in Electronics and Communication ii. B.E. in Computer Science iii. B.Tech in Information Technology Paper-II [Degree Standard / Objective Type] (200 items) Covering all the three disciplines i. B.E. in Electronics and Communication ii. B.E. in Computer Science iii. B.Tech in Information Technology Paper-III [Degree Standard / Objective Type] (200 items) Engineering Aptitude with General Studies Engineering Aptitude (150 items) i. Quantity / Numerical Ability ii. Data Interpretation iii. Logical Reasoning General Studies (50 items)	3 Hours	300 Marks	306	408
	3 Hours	300 Marks		
	3 Hours	300 Marks		
II. Interview & Records		120 Marks		
Total Marks		1020 Marks		

In respect of Subject Paper:-

- (i) The Questions in Paper-I, Paper-II and Paper-III will be set in English only.
- (ii) The candidates who have not appeared for any of the paper in the written examination will not be considered for selection even if they secure the minimum qualifying marks for selection.
- (iii) The syllabus for the subjects Paper-I, Paper-II and Paper-III (Engineering Aptitude with General Studies) are available in the Commission's website www.tnpsc.gov.in and also furnished in Annexure-I to this Notification.

Note:

1. To use blue or black ink Ball Point Pen only.
2. Answer sheet will be Invalidated if shaded in Pencil.
3. The answer sheet will be invalidated if the box for Booklet Series is not shaded and could not be identified even by physical verification of the answer sheet.
4. Each one mark will be deducted for incorrect or absence of shading Register Number and Question Booklet Series.

8. CENTRE FOR EXAMINATION:-

Examination will be held at the following Centres:

Name of the Centre	Centre Code
Chennai	0100
Coimbatore	0200
Madurai	1000

Note:

- (i) Candidates should appear for the examination at their own expenses.
- (ii) Request for change of venue will not be complied with.
- (iii) The Commission reserves the right to increase/decrease the number of examination centres and to re-allot the candidates.

9. PROCEDURE OF SELECTION:-

Selection will be made in two successive stages i.e.,

- (i) Written Examination and
- (ii) Oral Test.

(Further details are at para 23 (b) of the 'Instructions to candidates').

10. MODE OF PAYMENT OF EXAMINATION FEE:-

- Examination fee Rs.175/- (Examination Fee Rs.125/- + One Time Registration Fees Rs.50/-) (Rupees One Hundred and Seventy Five only)
- Candidates have to Register their basic particulars through One-Time Registration which is mandatory on payment of Rs. 50/- towards registration fee. The registration shall be valid for a period of five years from the date of one-time registration.
- Candidates have also to pay the service charges applicable to the Bank (State Bank of India / Indian Bank).
- Candidates can avail exemption from paying examination fees as per eligibility criteria.
- **Offline mode of payment in the form of Demand Draft / Postal Order etc., will not be accepted and the applications forwarded with such modes of payment will be summarily rejected.**
- Those who have registered in the **One - Time Registration** system, and paid the registration fee of Rs.50/- and received the registration ID **need not pay** the application fee i.e., Rs. 50/- and it is enough to pay the examination fee alone.

- Candidates who have made **One - Time Registration** must apply for these notified posts. **One - Time Registration** is only to avail exemption for application fee for a period of 5 years from the date of Registration.

(Further details regarding the Examination fee concessions are at para 12 of the 'Instructions to the candidates').

11. NO OBJECTION CERTIFICATE AND INFORMATION TO THE EMPLOYER:-

Further details are at paragraph 15(g) of the 'Instructions to the Candidates'. Any violation of the instruction will be liable for rejection of application and/ forfeit his / her candidature.

12. HOW TO APPLY:

Kindly **Click here...** www.tnpscexams.net / www.tnpscexams.in

13. OTHER IMPORTANT INSTRUCTIONS:-

a. Candidates should ensure their eligibility for examination:

The candidates applying for the examination should ensure that they fulfil all eligibility conditions for admission to examination. **Their admission to all stages of the examination will be purely provisional subject to satisfying of the eligibility conditions.** Mere issue of memo of admission to the candidate will not imply that his/her candidature has been fully cleared by the Commission.

- b.** The Hall Tickets for eligible candidates will be made available in the Commission's website www.tnpsc.gov.in or www.tnpscexams.net for downloading by candidates. No Hall Tickets will be sent by post. So the candidates / applicants should watch Tamil Nadu Public Service Commission website since ahead/ before the scheduled date of examinations.

c. Facilitation Counter for guidance of candidates:

In case of any guidance/ information / clarification of their applications, candidature, etc. candidates can contact Tamil Nadu Public Service Commission's Office in person or over Telephone No.044-25332833/ 25332855 or the Commission's Office Toll-Free No.1800 425 1002 on all working days between 10.00 a.m. and 05.45 p.m.

d. Mobile phones and other articles banned:-

- i.** Candidates are not allowed to bring to the venue of the Examination Cellular phone, Calculator, memory notes and books etc. or any other Electronic device or Recording device either as separate piece or part of something used by the candidate such as Watch or Ring.

- ii If they are found to be in possession of any such thing or instrument they will not be allowed to attend the examination further, besides invalidation of answer paper and / or debarment. If it is considered necessary they will be subjected to thorough physical search including frisking on the spot.
- iii Do not bring into the Examination Hall any article such as books, notes, loose sheets, mathematical and drawing instruments, Log Tables, stencils of maps, slide rules, Text Books, rough sheets etc. except the permitted writing material i.e. pen. No colour pen or pencil must be used.
- e. Candidates are requested to upload along with their application the certificate in support of their claim regarding age, educational qualification, community, experience and PSTM (if applicable) in the format available in the Commission's website.
- f. If any of their claims is found to be incorrect, or false it will lead to rejection / debarment
- g. **Unfair means strictly prohibited:** No candidate shall copy from any other candidate nor permit to be copied nor give nor attempt to give nor obtain nor attempt to obtain irregular assistance of any description.
- h. **Conduct in examination hall:** No candidate should misbehave in any manner or create a disorderly scene in the examination hall or harass the staff employed by the Commission for the conduct of the examination. Any such misconduct will be severely viewed and penalized.

The on-line application can be submitted upto 10.05.2016 till 11.59 p.m., after which the link will be disabled.

(For detailed information the candidates may refer Commission's "Instructions to the candidates" at the Commission's website www.tnpsc.gov.in)

Secretary

ANNEXURE-I
SYLLABUS FOR THE POST OF DEPUTY MANAGER II- ELCOT

Paper - I - (DEGREE STANDARAD)

Code No.221

UNIT I : BASIC ELECTRONICS

Diode characteristics - PN Junction diode - Zener diode- Tunnel diode- Light emitting diode, Bipolar Junction transistor- Field Effect Transistors, Power switching devices - SCRs, Power MOSFETS - Basics of ICs - MOS and CMOS, Basics of Opto-electronics.

Number Systems- Data representation- Boolean algebra- Karnaguh map, Combinational logic Circuits- Half adder- Full adder- Digital comparator- Multiplexer- Demultiplexer, Sequential Circuits- Flip flops- R-S, J-K, D and T flip-flops, Counters and registers, A/D and D/A converters, Semiconductor memories.

Processor design- Control unit - Memory organization- I/O System, Microprocessors - Architecture and instruction set of Microprocessors 8085 and 8086, Microcontroller – 8051, Assembly language Programming.

UNIT II : NETWORKS

OSI reference model - layers and duties - TCP/IP reference model – layers and duties. Physical layer- general description, characteristics, signaling,media types, topologies, Modulation,Frequency spectrum,Multiplexing, Encoding techniques, DTE, DCE, examples of physical layer (RS232C, ISDN, ATM,SONET)

Logical link control Functions- Framing, Flow control, Error control: CRC, LLC protocols:- HDLC, P to P. Medium access layer:- Random access, Controlled access, Channelization, IEEE standards:- 802.3, 802.4 802.5 and 802.11., Interconnection devices- Repeaters, Hubs, Routers/switches- Gateways and VLAN.

Circuit switching, packet switching, message switching, Internet protocols- IPV4- Packet format-IP addressing-Subnetting-Classless interdomain routing (CIDR), IPV6, ARP, RARP, ICMP, IGMP, VPN. Network Routing Algorithms:- Distance vector routing- RIP,Link State Routing(OSPF)-Path Vector Routing (BGP), Dijkstra's , Bellman Ford, Congestion control algorithms.

User datagram protocol (UDP), Reliable data transfer, Transmission control protocol (TCP)- Flow control- Congestion control- HTTP, FTP, TELNET, Email, DNS

UNIT III : INFORMATION SECURITY AND DIGITAL SWITCHING

Classical Encryption Techniques – Block Ciphers and the Data Encryption Standard – Basic Concepts in Number Theory and Finite Fields – Advanced Encryption Standard – Block Cipher Operation - Fermat’s and Euler’s Theory – CRT – Discrete Logarithms. Public Key Cryptography and RSA – Diffie - Hellman Key Exchange – Elliptic Curve Cryptography – Cryptographic Hash Functions – Message Authentication Code - Digital Signature - Certificates. Security in Operating Systems - Security in the Design of OS – Open Web Application Security – Wireless Network Security – Introduction to Mobile Security, Space Division Switch- Time Division Switch- STS switching- TST switching- No 4 ESS Toll switch, Digital cross connect systems, Implementation of Switch based Layer 3 services.

UNIT IV : EMBEDDED SYSTEMS

Embedded System design process, Embedded processors – ARM Processor – Architecture, ARM and Thumb Instruction sets – Embedded C Programming -looping Structures – Register Allocation – Function calls – Pointer aliasing – structure arrangement – bit fields – unaligned data and endianness – inline functions and inline assembly – portability issues. Profiling and cycle counting – instruction scheduling – Register allocation – conditional execution – looping constructs – bit manipulation – efficient switches – optimized primitives. Multiple tasks and processes – Context switching – Scheduling policies – Interprocess communication mechanisms – Exception and interrupt handling – Performance issues. Meeting real time constraints – Multi-state systems and function sequences – Embedded software development tools – Emulators and debuggers – Design methodologies.

PAPER - II - (DEGREE STANDARAD)

Code No.222

UNIT I : OPERATING SYSTEMS

Evolution of OS-Virtual Machines-multiprocessor and multi core. Process states-description, control-execution of OS-security issues. Threads- types of threads, multi core and multithreading. Uni and multiprocessor Scheduling, real time scheduling. mutual exclusion, semaphores, monitors, message passing, reader-writer problem. Deadlock prevention, avoidance, detection, integrated deadlock strategy, dining

philosopher's problem. Address binding, logical versus physical address space, dynamic loading and linking, shared libraries, overlays, swapping, contiguous memory allocation, paging, segmentation- Demand paging, process creation, page replacement, frame allocation, thrashing-I/O devices, Organization of I/O function, I/O buffering, disk scheduling. File Management: access and organization, file directories and sharing, secondary storage management. Linux Systems.

UNIT II : DATABASE MANAGEMENT SYSTEMS

Database Applications– Data Models – Database Architecture – Key issues and Challenges in Database Systems – ER Models – ER to Relational Mapping – Object Relational Mapping – Relational Model – Constraints – Keys – Dependencies – Relational Algebra – Normalization – First, Second, Third & Fourth Normal Forms – BCNF – Join Dependencies –SQL – Embedded & Dynamic SQL- Data Constraints- Database Security — Introduction to Transactions – Transaction Systems – ACID Properties – System & Media Recovery –Concurrency – Locking Protocols –Log Based Recovery – Two Phase Commit Protocol – Recovery– Deadlocks & Managing Deadlocks – Indexing & Hashing Techniques – Query Processing & Optimization – Sorting & Joins – Database Tuning – Data Mining and Warehousing

UNIT III : PROGRAMMING IN C AND C++

Functions and Pointers in C: Storage classes – Recursion – Preprocessor directives – Arrays – Strings – Arrays, pointers and strings. Pointers to functions – Dynamic Memory Allocation – Structures – Unions – Enumeration Types – Bit fields – Files - Object Oriented Programming: Classes and methods – Constructors and Destructors – Class and Object - Scope – Overloading – Arrays – Type Casting – Pointer. Java API Packages – Inheritance – Sub Classes – Implications of Inheritance – Exception Handling – Assertions – Garbage Collection – String Class – Inheritance - Multiple Inheritance – Polymorphism – Abstract Classes and Methods – Overloading and Overriding – Pure Polymorphism – Operator instance of and Down Casting – final Methods and Classes – Clone class – Multithreading – Files and Streams – Formatted Output – Object Concurrency – Serialization – Generic Collections – Generic Classes and Methods – Applets – Frameworks.

UNIT IV : CLOUD COMPUTING AND VIRTUALIZATION

Cloud Components, Infrastructure, Architecture, Applications, Benefits, Limitations, Cloud Deployment Models, Cloud Technologies. Infrastructure as a Service (IaaS)-

Storage as a Service- Compute as a Service-Platform as a Service(PaaS)-Software as a Service(SaaS): CRM as a Service, Social Computing Services, Document Services. Taxonomy, Server Virtualization, Desktop Virtualization, Network Virtualization, Storage Virtualization. Hypervisor: Xen, VMWare, Microsoft Hyper-V, KVM. Hardware and Infrastructure- Server, Clients, Network, Services. Accessing the Cloud-Web Applications, Web API, Web Browsers. Scalable data storage techniques. Map reduce Framework- Hadoop, HDFS. Cloud Security: Requirements, Security Threats, Cloud Security Mechanisms. Scalability, Availability, Migration, Security, Network Congestion, Leasing and Billing, On-demand allocation problems.

Paper – III

ENGINEERING APTITUDE with GENERAL STUDIES

Code No.223

(Degree standard / Objective Type)

ENGINEERING APTITUDE: (150 QUESTIONS)

UNIT-I - Quantity / Numerical Ability: Numerical computation, numerical estimation, numerical reasoning; Number system; Integer Number Sequences, Rational Number Sequences, Arithmetic Sequences, Geometric Sequences; Square Numbers, Cube Numbers; Fibonacci Series; Polynomials; Algebra; Geometry - [EUCLID'S GEOMETRY](#), [LINES AND ANGLES](#), [TRIANGLES](#), [QUADRILATERALS](#), [CIRCLES](#), [COORDINATE GEOMETRY](#), [AREAS OF PARALLELOGRAMS AND TRIANGLES](#), [SURFACE AREAS AND VOLUMES](#); Probability, Permutation combination; Mensuration, Arithmetic mean, Geometric mean, Harmonic mean , Median, Mode, Variance, Standard Deviation; Time and work; Averages, Percentages, Profit and loss; Quadratic and linear equations; Relation and Functions; Vectors; HCF & LCM, Logarithm;

UNIT-II - Data Interpretation: Interpretation and analysis of data based on text, tables, graphs (line, area), charts (column, bar, pie), venn diagram;

UNIT-III - Logical Reasoning: Clocks, calendars, binary logic, seating arrangement, logical sequence – Logical Number, Alphabetical, Diagrammatic; Assumption, Premise, Conclusion, Linear and matrix arrangement, Puzzles - Classification , Comparison, Sequential, Selection, Family, Jumbled puzzle; Dice, Visual Reasoning, In alphabetical or miscellaneous, In coding decoding, In blood relation, In direction and distances, In order and ranking, Data sufficiency, Statement, In syllogism

GENERAL STUDIES (50 QUESTIONS)

UNIT - IV. 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 neighbours- 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 – V 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 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.

UNIT – VI - 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 - Anti-corruption 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 – 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.