



## **MANDATORY TESTS FOR DEO MAIN 2019**

<b>TOTAL NUMBER OF TESTS</b>	<b>- 16</b>
<b>PAPER I</b>	<b>- 6 TESTS</b>
<b>PAPER II</b>	<b>- 8 TESTS</b>
<b>MODEL EXAM</b>	<b>- PAPER I &amp; II</b>
<b>Test Marks</b>	<b>- 300</b>
<b>Test Duration</b>	<b>- 3 Hrs</b>
<b>Commencing on</b>	<b>- 01.06.2019</b>
<b>Paper I - Test No. 1 to 6 includes Mental Ability</b>	

### **Programme Highlights**

- i. Director's Orientation
- ii. Writing Methodology
- iii. Feedback session
- iv. DEO Main Programme for only Paper I and II (Not included Paper III Education)
- v. Selective Classes and Test Schedule is only for Paper I and II
- vi. Free Orientation will be given for Paper III Education

<b>Test No</b>	<b>DATE</b>	<b>SUBJECT</b>	<b>SYLLABUS</b>
<b>PAPER I</b>			
1	01.06.19	<b>Modern History of India and Indian Culture</b>	<ul style="list-style-type: none"> <li>✓ <b>Advent of European invasion</b></li> <li>✓ <b>Expansion and consolidation of British rule</b></li> <li>✓ <b>Effect of British rule on socio-economic factors</b></li> <li>✓ <b>Early uprising against British rule</b></li> <li>✓ <b>1857 Revolt</b></li> <li>✓ <b>National renaissance - Socio religious reform movements.</b></li> </ul>
		<b>General Aptitude &amp; Mental Ability</b>	<ul style="list-style-type: none"> <li>✓ <b>Time &amp; Work</b></li> <li>✓ <b>Simple Interest and Compound Interest</b></li> </ul>
2	02.06.19	<b>Modern History of India and Indian Culture</b>	<ul style="list-style-type: none"> <li>✓ <b>Indian National Congress</b></li> <li>✓ <b>Growth of militant movements</b></li> <li>✓ <b>Different modes of agitations</b></li> <li>✓ <b>Era of different Acts &amp; Pacts</b></li> <li>✓ <b>Second World War &amp; final phase struggle</b></li> <li>✓ <b>Communalism led to partition.</b></li> <li>✓ <b>Emergence of national</b></li> </ul>

			<b>leaders</b> 1. <b>Gandhi</b> 2. <b>Nehru</b> 3. <b>Tagore</b> 4. <b>Netaji</b>
		<b>General  Aptitude &amp;  Mental Ability</b>	✓ <b>Probability</b> ✓ <b>LCM &amp; HCF</b> ✓ <b>Analytical  Interpretation of data</b>
3	08.06.19	<b>Modern History  of India and  Indian Culture</b>	✓ <b>Role of Tamil Nadu in  freedom struggle</b> 1. <b>Rajaji</b> 2. <b>VOC</b> 3. <b>Periyar</b> 4. <b>Bharathiyar and  others</b> ✓ <b>Growth of Rationalist,  Dravidian movement in  Tamil Nadu</b> ✓ <b>India since  independence</b> ✓ <b>Political parties</b> ✓ <b>Welfare schemes.</b> ✓ <b>Characteristics of  Indian culture</b> 1. <b>Unity in diversity</b> 2. <b>Race</b> 3. <b>Language</b> 4. <b>Religion</b> 5. <b>Custom</b> 6. <b>India: a secular  state</b>

			<p>7. <b>Organizations for fine arts, dance, drama and music.</b></p>
		<p><b>General Aptitude &amp; Mental Ability</b></p>	<ul style="list-style-type: none"> <li>✓ <b>Area &amp; Volume</b></li> <li>✓ <b>Ratio and Proportion</b></li> <li>✓ <b>Percentage</b></li> </ul>
4	09.06.19	<p><b>Physics &amp; Science and Technology</b></p>	<ul style="list-style-type: none"> <li>✓ <b>Nature of universe</b></li> <li>✓ <b>General scientific laws</b></li> <li>✓ <b>Scientific instruments</b></li> <li>✓ <b>Inventions and discoveries</b></li> <li>✓ <b>National scientific laboratories</b></li> <li>✓ <b>Science glossary</b></li> <li>✓ <b>Physical quantities, standards and units</b></li> <li>✓ <b>Mechanics and properties of matter</b></li> <li>✓ <b>Force, motion and energy</b></li> <li>✓ <b>Heat, light and sound</b></li> <li>✓ <b>Magnetism, electricity and electronics</b></li> <li>✓ <b>Atomic and nuclear physics</b></li> <li>✓ <b>Astronomy and space science</b></li> <li>✓ <b>Govt. policy /organizations on Science and Technology</b></li> <li>✓ <b>Role, achievement &amp;</b></li> </ul>

			<p><b>impact of Science and Technology</b></p> <ul style="list-style-type: none"> <li>✓ <b>Defence Research Organization</b></li> </ul>
		<p><b>General Aptitude &amp; Mental Ability</b></p>	<ul style="list-style-type: none"> <li>✓ <b>Information technology</b> <ul style="list-style-type: none"> <li>- <b>Basic terms, Communications</b></li> <li>- <b>Application of Information and Communication Technology (ICT)</b></li> <li>- <b>Decision making and problem solving</b></li> <li>- <b>Basics in Computers / Computer terminology</b></li> </ul> </li> <li>✓ <b>Computer science and advancement</b></li> </ul>
5	15.06.19	<p><b>Chemistry</b></p>	<ul style="list-style-type: none"> <li>✓ <b>Elements and compounds</b></li> <li>✓ <b>Acids, bases and salts</b></li> <li>✓ <b>Oxidation and reduction</b></li> <li>✓ <b>Carbon, nitrogen and their compounds</b></li> <li>✓ <b>Natural disasters</b></li> <li>✓ <b>safeguard measures</b></li> <li>✓ <b>Chemistry of ores and metals</b></li> <li>✓ <b>Fertilizers, pesticides, insecticides</b></li> <li>✓ <b>Biochemistry and</b></li> </ul>

			<b>biotechnology</b> ✓ <b>Polymers and plastics</b> ✓ <b>Electrochemistry</b>
		<b>General Aptitude &amp; Mental Ability</b>	✓ <b>Statistics: Conversion of information to data - Collection, compilation and presentation of data - Tables, graphs, diagrams - Parametric representation of data</b>
6	16.06.19	<b>Life and Science and Science and Technology</b>	✓ <b>Main concepts of life science</b> ✓ <b>The cell - basic unit of life</b> ✓ <b>Classification of living organism</b> ✓ <b>Nutrition and dietics</b> ✓ <b>Respiration</b> ✓ <b>Excretion of metabolic waste</b> ✓ <b>Bio – communication</b> ✓ <b>Blood and blood circulation</b> ✓ <b>Endocrine system</b> ✓ <b>Reproductive system</b> ✓ <b>Animals, plants and human life</b> ✓ <b>Genetics - the science of heredity</b> ✓ <b>Environment, ecology, health and hygiene, Bio - diversity and its</b>

			<p><b>conservation</b></p> <p>✓ <b>Human diseases, prevention and remedies</b></p> <p>✓ <b>Communicable diseases and non communicable diseases</b></p> <p>✓ <b>Genetic Engineering - Alcoholism and Drug abuse</b></p>
		<b>General Aptitude &amp; Mental Ability</b>	<p>✓ <b>Revision – full syllabus</b></p>

**PAPER II**

<b>7</b>	<b>22.06.19</b>	<p><b>Indian Polity and emerging political trends across the world affecting India</b></p>	<p><b>Constitution of India:</b></p> <p><b>i. Historical background</b></p> <p><b>ii. Making of the Indian Constitution</b></p> <p><b>iii. Preamble</b></p> <p><b>iv. Salient features of the Indian Constitution</b></p> <p><b>v. Citizenship</b></p> <p><b>vi. Fundamental Rights and Fundamental Duties</b></p> <p><b>vii. Directive Principles of State Policy</b></p> <p><b>viii. Schedules to the Indian Constitution.</b></p> <p><b>ix. Union, State and Territory</b></p> <p><b>x. Human rights charter</b></p>
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			<p><b>Official Language:</b></p> <ul style="list-style-type: none"> <li>i. Constitutional provision</li> <li>ii. Official Language Act</li> <li>iii. VIII Schedule to the Constitution.</li> </ul> <p><b>Amendments:</b></p> <ul style="list-style-type: none"> <li>i. Major Amendments to the Indian Constitution.</li> <li>ii. Special Status to Jammu &amp; Kashmir: Art 370.</li> </ul>
8	23.06.19	<p><b>Indian Polity and emerging political trends across the world affecting India</b></p>	<p><b>Union Executive:</b></p> <ul style="list-style-type: none"> <li>i. President</li> <li>ii. Vice - President</li> <li>iii. Prime Minister</li> <li>iv. Council of Ministers</li> <li>v. Attorney General of India.</li> </ul> <p><b>Union Legislature:</b></p> <ul style="list-style-type: none"> <li>i. Parliament: Lok - Sabha and Rajya - Sabha</li> <li>ii. Composition</li> <li>iii. Powers</li> <li>iv. Functions</li> <li>v. Legislative procedures.</li> </ul>



**Union Judiciary:**

- i. Structure,**
- ii. Powers and Functions of the Supreme Court**
- iii. Judicial Review**
- iv. Latest Verdicts.**
- v. Rule of Law / Due Process of Law**

**State Executive:**

- i. Governor**
- ii. Chief Minister**
- iii. Speaker Council of**
- iv. Ministers**
- v. Advocate General of the State.**

**State Legislature:**

- i. State Legislative Assembly**
- ii. Organization**
- iii. Powers and Functions.**

**State Judiciary:**

- i. Organisation**
- ii. Powers and Functions of High Courts**
- iii. District Courts and**

			<p><b>Subordinate Courts.</b></p> <p><b>Federalism in India:</b></p> <p>i. Centre - State Relations</p> <p>ii. Centre – State Administrative Relations</p> <p>iii. Centre - State Legislative Relations</p> <p>iv. Centre - State Financial Relations</p> <p><b>Local Government and Panchayat Raj</b></p> <p><b>Civil Services in India</b></p> <p><b>Emergency Provisions</b></p> <p><b>Administrative Challenges in a welfare state</b></p> <p><b>Complexities of district administration</b></p>
9	29.06.19	<p><b>Geography of India Earth and Universe</b></p> <p><b>Science and Technology</b></p>	<ul style="list-style-type: none"> <li>✓ <b>Solar system</b></li> <li>✓ <b>Atmosphere, hydrosphere, lithosphere</b></li> <li>✓ <b>Monsoon, rainfall, weather and climate</b></li> <li>✓ <b>Water resources</b></li> <li>✓ <b>Rivers in India</b></li> <li>✓ <b>Bottom topography of Indian ocean, Arabian Sea and Bay of Bengal</b></li> </ul>

			<ul style="list-style-type: none"> <li>✓ <b>Climate change - impact and consequences - mitigation measures</b></li> <li>✓ <b>Pollution Control</b></li> <li>✓ <b>Energy - self-sufficiency - oil exploration</b></li> <li>✓ <b>Ocean research and development</b></li> <li>✓ <b>Remote sensing and benefits.</b></li> </ul>
10	30.06.19	<p style="text-align: center;"><b>Geography of India Earth and Universe</b> <b>Indian Polity</b></p>	<ul style="list-style-type: none"> <li>✓ <b>Soil, minerals &amp; natural resources</b></li> <li>✓ <b>Natural vegetation</b></li> <li>✓ <b>Forest &amp; wildlife</b></li> <li>✓ <b>Agricultural pattern, livestock &amp; fisheries</b></li> <li>✓ <b>Transport &amp; communication</b></li> <li>✓ <b>Centers of trade, commerce &amp; art</b></li> <li>✓ <b>Social geography</b></li> <li>✓ <b>population - density and distribution</b></li> <li>✓ <b>Natural calamities</b></li> <li>✓ <b>disaster management</b></li> </ul> <p><b>India's Foreign Policy:</b></p> <p><b>i. Foreign Affairs with Special emphasis on</b></p>

			<p><b>India's</b></p> <p><b>ii. Relations with neighbouring countries and in the region</b></p> <p><b>iii. Security and defence related issues</b></p> <p><b>iv. Nuclear Policy - Issues and conflicts.</b></p> <p><b>v. The Indian Diaspora and its contribution to India and to the World.</b></p>
11	<b>06.07.19</b>	<p><b>Tamil language, Tamil Society it's culture and Heritage / English language</b></p>	<p>✓ நாகரிகமும் பண்பாடும் - தமிழர் தோற்றமும் பரவலும்</p> <p>✓ பண்டைத்தமிழர் வாழ்வியல் சிந்தனைகள் - வீரம், காதல், அறம், அறக்கோட்டு வழிபாடுகள் மற்றும் சடங்குமுறைகள்.</p> <p>✓ தமிழர் சமயமும் பண்பாட்டு நெறிமுறைகளும் - சைவம், வைணவம்</p>
12	<b>07.07.19</b>	<p><b>Tamil language, Tamil Society it's culture and Heritage / English language</b></p>	<p>✓ தமிழர் பண்பாட்டுக்கலையும் - நாகரீகமும் - இயல், இசை, நாடகம், ஓவியம், மருத்துவம், சிற்பம், நாட்டுப்புறக் கலைகள்.</p> <p>✓ தற்கால வாழ்வில் தமிழர் சமூக வாழ்க்கை - சாதி, சமயம், பெண்கள், அரசியல், கல்வி, பொருளியல், வணிகம், வெளிநாட்டுத் தொடர்புகள்</p>
13	<b>13.07.19</b>	<p><b>Administration of Union and</b></p>	<p>✓ <b>State government organization</b> -</p>

		<p><b>States with special reference to Tamil Nadu</b></p>	<p><b>structure, functions and control mechanism</b></p> <ul style="list-style-type: none"> <li>✓ <b>Public Services - role of recruitment agencies</b></li> <li>✓ <b>State finance -- resources</b></li> <li>✓ <b>budget and financial administration</b></li> <li>✓ <b>Use of IT in administration</b></li> <li>✓ <b>e-governance in the State</b></li> <li>✓ <b>Public Services -- role of recruitment agencies in Union Government</b></li> <li>✓ <b>Union finance -- resources</b></li> <li>✓ <b>budget and financial administration</b></li> <li>✓ <b>Use of IT in administration</b></li> <li>✓ <b>e-governance in Union Government</b></li> </ul>
14	<b>14.07.19</b>	<p><b>Administration of Union and States with special reference to</b></p>	<ul style="list-style-type: none"> <li>✓ <b>Industrial map of Tamil Nadu - Role of state government</b></li> <li>✓ <b>Natural calamities</b></li> <li>✓ <b>Disaster Management</b></li> </ul>

		<b>Tamil Nadu</b>	<b>Union and State</b> ✓ <b>strategic planning in the State</b> ✓ <b>Social welfare - Government sponsored schemes with reference to Tamil Nadu</b> ✓ <b>Union government organization - structure, functions and control mechanism</b> ✓ <b>Industrial map of India -- role of Union government</b> ✓ <b>Social welfare - government sponsored schemes by Government of India</b>
15	<b>20.07.19</b>	<b>Model Exam</b>	✓ <b>Paper I</b>
16	<b>21.07.19</b>	<b>Model Exam</b>	✓ <b>Paper II</b>