

IAS 2022

GS PAPER 3

Complete Solution for 250 Marks

- ▶ Complete coverage of GS Paper 3
- ▶ Classes for:
 - Indian Economy
 - Science & Tech
 - Environment
 - Internal Security
 - Disaster Management
- ▶ Regular answer writing for each subject
- ▶ Special Classes and Test for Prelims
- ▶ Total 12 Tests:
 - 7 Revision Tests (PT+Mains)
 - 3 Sectional Tests + 2 Full Mock Tests after Prelims
- ▶ Discussion of about 120 Mains Questions and 300 PT Questions of Paper 3
- ▶ Additional Classes on Basic & Terminology for fresher students

BATCH STARTS

19 JANUARY,
2022

TIMINGS

6:00 PM to 8:30 PM

₹ COURSE FEE

Rs. 20,000/-
(including GST)

Course DELIVERY

The Course involves the start from basics of all the concepts and raising the bar through our innovative course delivery to encounter both prelims and Mains examination decisively. The course delivery includes:



01 CLASS

Each topic would start from basics and core concepts to applied context consisting:

1. **Basic Concepts, Exam Relevant Content & Analysis of the topic.**
2. **Prelims, Application & Current Perspectives of the topic.**
3. **Expected questions & PYQ.**



02 ANSWER WRITING PRACTICE & TEST

Art of writing a good Answer for mains and solving problems for prelims will be developed through:

1. **Regular answer writing sessions**
1. **Subject Wise Prelims & Mains Tests**
2. **Mock Tests after Prelims**



03 PERSONALISED MENTORSHIP

One-on-one guidance by the faculty will be ensured through:

1. **Regular Double clearing Session**
2. **Effective copy evaluation**
3. **Personalised feedback**



04 STUDY MATERIAL

For making candidates ready to excel in both Prelims and Mains as well as for constant value addition, study material will be provided in form of:

1. **Subject Specific Study Material**
2. **Various Worksheets**

SESSION PLAN

-- Note --

The following session plan is only indicative of the issues and the topics to be covered in different sessions; actual coverage of issues would be far wider.

Session & Date	Session Topics	Sub Topics	Detail list with Current Affairs
INDIAN ECONOMY			
Session 1	Growth & Development	<ul style="list-style-type: none"> ● Indian Economy & Issues- Relating to: <ul style="list-style-type: none"> ▶ Planning ▶ Mobilization of Resources ▶ Growth, Development & Employment ● National Income and Basic concepts ● What is GDP, ● How to measure economy, ● Challenges in economic management 	<ul style="list-style-type: none"> ● India's current state of the Economy ● Recovery of Indian economy post COVID-19 ● Net-zero emissions target by 2070 for India and impact on Indian economy ● Green Economy Transition ● Gig Economy: its role and significance ● Effectiveness of GDP in measurement of economic growth. ● Economic Growth vs Economic Development ● Economic Reforms in last 5 years ● National Monetization Pipeline: Scope and Impact ● Strategic Disinvestment in India: Rationale and Concerns

Session & Date	Session Topics	Sub Topics	Detail list with Current Affairs
			<ul style="list-style-type: none"> • Sectoral & Regional Diversification as tool for Inclusive Growth • Change in the GDP methodology • Change in GDP indexing • Current price income and constant price income
Session 2	Macro Economics Basics	<ul style="list-style-type: none"> • Economic policies, • Growth and investment basics, theory of inflation and unemployment • Inequality 	<ul style="list-style-type: none"> • CPI vs WPI and CPI as inflation benchmark • Niti Aayog report on employment • Macro-Economic Framework Statement 2021-22 • Employment Generation in India (e-SHRAM portal) • Aatmanirbhar Bharat Mission, encapsulation major structural reforms • State finances for Macro-economic Stability in India: Effect of Covid-19 • Issues with States fiscal management in India • India Vs Bharat: Rural-Urban Divide • Planning approach in India • Unorganised sector of India
Session 3	Indian Economic Growth (1950 – 1990)	<ul style="list-style-type: none"> • Nehruvian Phase (1950-1965), • Socialist Phase (1965-1980), • Gradual Reforms (1980-1990) • BOP crisis of 1990 	<ul style="list-style-type: none"> • Harrod-Domar Model • Mahalonobis model • Banks nationalization • Green revolution • Trade EXIM policy • Direct poverty elimination programs

Session & Date	Session Topics	Sub Topics	Detail list with Current Affairs
Session 4	Economic Reforms	<ul style="list-style-type: none"> 1st Gen Reforms (1991-1998) 2nd Gen Reform (1999 – 2008) 	<ul style="list-style-type: none"> IMF Reforms Program New industrial Policy Chelliah Committee Narasimham Committee 1 Narasimham committee 2 Vijay Kelkar committee FRBM Act
Session 5	Economic reforms	<ul style="list-style-type: none"> Ongoing Reforms (since 2012) 	<ul style="list-style-type: none"> Industry – Make in India, Skill India mission, MUDRA, Start-up India, etc Agriculture– Swaminathan committee report implementation, MSP @ 1.5 x cost Banking Issues – NPA, External Benchmarking, Jan dhanyojana
Session 6	Budget and Fiscal Policy	<ul style="list-style-type: none"> Objectives and Principles of Taxation Taxation for Mobilization of Resources Taxation System in India Tax Reforms GST and its impact on different sectors 	<ul style="list-style-type: none"> Objectives of Fiscal Policy New taxation slabs DTAA Corporation tax reduction 2019 Direct tax code GST fake invoice issue Centre-state distribution issue over GST Gender Budgeting: Issues and Measures Needed
Session 7	Budget and Fiscal Policy	<ul style="list-style-type: none"> Expenditure and Subsidy Subsidy Reforms Education and health expenditure 	<ul style="list-style-type: none"> Subsidies and its Impact UBI Direct benefit transfer analysis Public Debt and Borrowing FRBM Act N.K. Singh Panel on FRBM

Session & Date	Session Topics	Sub Topics	Detail list with Current Affairs
		<ul style="list-style-type: none"> • Concept of committed expenditure • Centre-state distribution 	<ul style="list-style-type: none"> • Retrospective Taxation in India: Effects and Reforms • Direct Tax Code • GST- petrol and diesel • Tax evasion • Taxing Virtual Currencies and its Regulations
Session 8	Budget and Fiscal Policy	<ul style="list-style-type: none"> • Budget terminology • Types of budget • Types of Deficits, • Public Debt, and 	<ul style="list-style-type: none"> • Budget Formulation • 15th Finance commission • Outcome budgeting • Gender budgeting • Performance budgeting
Revision Test 1 & Discussion (PT Mock + Mains Answer Writing)		(Indian Economy)	
Session 9	Agriculture	<ul style="list-style-type: none"> • State of Agriculture in India • Agricultural trade • Factors affecting agricultural productivity • Challenges of the Sector • Land records and informal leasing 	<ul style="list-style-type: none"> • Global Agricultural Productivity Report (GAP Report) • Fertiliser Shortage: Farmers Stare at Economic Distress, Black Marketing (Impact of shortage on India's food security) • Farm Policies: One-Size-Fits-All do not Work • Lab to Land: How to Improve Agriculture Price Policy in India • Conclusive Land Titling
Session 10	Agriculture	<ul style="list-style-type: none"> • Need and sources for Agricultural Finance • Sources of Agricultural Finance • Co-operative Credit Societies in India 	<ul style="list-style-type: none"> • Niti Aayog Launches Agricultural Marketing & Farm Friendly Reforms Index • Defects in Procurement Policy

Session & Date	Session Topics	Sub Topics	Detail list with Current Affairs
		<ul style="list-style-type: none"> Marketing (APMC, FCI, PDS, e-NAM) Govt Policies and Schemes, Contract farming, Supply chain management 	<ul style="list-style-type: none"> Reforming Trade in Agriculture Products Draft Model APMC Act, 2016 NITI Aayog Report on Agriculture New Agriculture Bills, 2020 Bhavantar Bhugtan Yojana Krishi UDAN 2.0 Data revolution in Indian agriculture Agriculture Export Policy The future of Indian agriculture Feminisation of Agriculture
Session 11	Agriculture	<ul style="list-style-type: none"> Food processing, Subsidies, WTO and Indian agriculture 	<ul style="list-style-type: none"> Private sector initiatives like e-Chaupal AMUL case-study Commodity exchanges integration Mega Food Park Policy Livestock Sector of India: Scope and Government Initiatives Pulses for Food Security and Sustainable Future WTO subsidy lists Amber Bag Blue Bag Green bag
Session 12	Financial System & Monetary Policy	<ul style="list-style-type: none"> Financial Markets, Financial Instruments, Capital Markets, Debt and Equity 	<ul style="list-style-type: none"> National Monetisation Pipeline Corporate bond to be necessary for debt funding Importance of bond market Debt/Equity ratio

Session & Date	Session Topics	Sub Topics	Detail list with Current Affairs
			<ul style="list-style-type: none"> Need for more equity funding
Session 13	Financial System & Monetary Policy	<ul style="list-style-type: none"> Banking Issues – Profitability, Sustainability, Bank Merger, NPA, MPT, Recapitalization, Financial Inclusion 	<ul style="list-style-type: none"> Nachiket Mor Committee on financial inclusion P J Nayak Committee & BBB Parthasarathi Shome Committee on GAAR Urjit Patel Committee Report on Monetary Policy Mahapatra committee on NBFC External benchmarking Repo-based lending MCLR Increasing dependence on Digital technology and impact on financial inclusion in rural India Emergence of India as a global leader in digital payments Corporate Bond Market in India: Issues & Reforms required Emergence of NEO Banks Urban Cooperative Banks: Need for Reforms Nationalization of Banks and Privatization of Banks Challenges of Non-Performing Assets in India
Session 14	Financial System & Monetary Policy	<ul style="list-style-type: none"> Monetary Policy and RBI, Co-operative banking, Frauds, 	<ul style="list-style-type: none"> RBI reforms Bimal Jalan committee on RBI reserves Prompt corrective action list

Session & Date	Session Topics	Sub Topics	Detail list with Current Affairs
		<ul style="list-style-type: none"> • Technology, • Start-ups • SEBI • Corporate governance 	<ul style="list-style-type: none"> • RBI on chit funds • Uday Kotak committee • The concept of Bad Bank • Account Aggregator System • Introduction of Central Bank Digital Currency (CBDC) • Taxing Virtual Currencies • Announcement of Government Securities Acquisition Programme or G-SAP 1.0 • RBI's New Retail Direct Scheme • RBI to suspend the GSAP system • SEBI's proposed T+1 settlement system • Sweat Equity Rules: SEBI • EASE 4.0 or Enhanced Access and Service Excellence Reform Agenda
Session 15	Industry and Labour	<ul style="list-style-type: none"> • Ease of doing business, employment generation, exports and manufacturing, labour reforms, etc 	<ul style="list-style-type: none"> • Industrial Relations (IR) Code Bill, 2020 • COVID-19 & Workers' Rights • The Code on Wages, 2019 • Initiatives for Fund for Start-Ups • Need to Look Beyond CSR • Initiatives to Support MSME Sector • Analysis of Competition Commission of India • Exit Issues and Insolvency Resolution Process

Session & Date	Session Topics	Sub Topics	Detail list with Current Affairs
			<ul style="list-style-type: none"> • Challenges and opportunities of fourth Industrial Revolution • Why Manufacturing Sector is not able to Generate Jobs? • Inequality between Large Business Houses & Smaller Businesses • How Labour Regulations Affect Manufacturing? • Production Incentive Scheme (PLI) for Large-scale Electronics • Cabinet clears PLI Scheme for Textile Sector • Major reforms in the telecom sector • Deep Ocean Mission (DOM) • NITI Aayog and Cisco collaborated to encourage women's entrepreneurship in India
Session 16	External Sector	<ul style="list-style-type: none"> • International Trade Theory, • Tools of trade policy, • Trade analysis, • Trade treaties and agreements 	<ul style="list-style-type: none"> • G-7 Tax Deal • FTA of India • India-ASEAN Trade in Goods • South Asia Free Trade Agreement (SAFTA) • Indo Malaysia CECA (IMCECA) • India Singapore CECA (ISCECA) • Japan India CEPA (JICECA) • Dispute Settlement Mechanism in WTO • Model Bilateral Investment Treaty: Rules and Agreements

Session & Date	Session Topics	Sub Topics	Detail list with Current Affairs
Session 17	External Sector	<ul style="list-style-type: none"> Foreign trade policy of India, Exchange rate, Currency Manipulation, Trade war, PPP Foreign Capital (FDI and FPI), BOP issues 	<ul style="list-style-type: none"> New export promotion policies Depreciation of rupee against dollar Fall in NEER The Economist BIGMac Index Regulation of Crypto currency in China and other major economies
Session 18	External Sector	<ul style="list-style-type: none"> International Organizations – World Bank IMF WTO BRICS AIIB, etc 	<ul style="list-style-type: none"> Reforms in IMF Quota Rising New Form of Protectionism BIT Dispute Management Strategy Pandora's leaky papers World Bank to stop 'ease of doing business' report Eastern Economic Forum Special Drawing Rights: IMF
Session 19	Service Sector and Infrastructure	<ul style="list-style-type: none"> Tourism, Healthcare, Retail, IT sector, Railways, Air transport, Ports, Public Private Partnership Energy Sector 	<ul style="list-style-type: none"> Coal Fall in India PM Gati Shakti National Master Plan Energy Access in India National mission on edible oil Emerging market electricity Leapfrog Power Finance Corporation acquires status of 'Maharatna' SPIN Scheme: Khadi and Village Industries Commission (KVIC)

Session & Date	Session Topics	Sub Topics	Detail list with Current Affairs
			<ul style="list-style-type: none"> • Connect Karo 2021 - Towards Equitable, Sustainable Indian Cities' • Investment in Social Infrastructure for Sustainable Growth in India • Railway privatization • Bibek Debroy committee • Air India Privatization • UDAN scheme • Sagarmala project • UDAY scheme • H-1B Visa Rule Change & It's Impact on IT Sector
Session 20	Welfare and Poverty	<ul style="list-style-type: none"> • Poverty Debate • Policies to reduce poverty • Poverty measurement 	<ul style="list-style-type: none"> • Tendulkar committee debate • Rangarajan poverty estimates • World bank poverty estimates • Multidimensional poverty Index • Global Hunger Index 2021 • Poverty Alleviation approach (ability and endowment)
Session 21	Welfare and Poverty	<ul style="list-style-type: none"> • Universal basic income, and subsidies • Welfare challenges • Regional inequality in India 	<ul style="list-style-type: none"> • Unemployment Survey • Draft Social Security Code • Feminization of farm labour • State GDP comparison • SACRED Portal for senior citizens
Session 22	PT – special 1	<ul style="list-style-type: none"> • Microeconomics • Major terms • Reports and indexes 	

Session & Date	Session Topics	Sub Topics	Detail list with Current Affairs
Session 23	PT – Special 2	<ul style="list-style-type: none"> • Inflation • Unemployment • Major curves and theories and their developers 	
Revision Test 2 & Discussion (PT Mock + Mains Answer Writing)		Indian Economy	

SCIENCE & TECHNOLOGY

Session 1	Overview and ICT	<ul style="list-style-type: none"> • Achievements of Scientists • Policies and general technology • Achievements of Indians in science & technology • Scientists of Ancient India • Science and Scientists of Medieval India • Scientists of Modern India • Policies & Reports related to Science • Technology Synthetic Biology • Law Commission Report on Human • Tele-communication • IT Industry in India • Applications of Information Technology 	<ul style="list-style-type: none"> • ISRO to launch own space station by 2030 • Human Space Flight Centre for Gaganyaan Mission • Structure of Satellite (ISRO launched world's smallest Kalam SAT, Microsat-R satellites) • DRDO successfully test-fires Astra Missile • India accepts new standard definition of Kg, Mole and Kelvin • Govt approves the continuation of GSLV Phase-4 programme • New State of Matter discovered • ISRO launches 'Young Scientists Programme' for students • Chandrayaan-2: Vikram couldn't land on the Moon but found unbroken • Cartosat-3: India's Earth observation satellite launched successfully • Other S&T Achievements
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Session & Date	Session Topics	Sub Topics	Detail list with Current Affairs
		<ul style="list-style-type: none"> • Display Technologies • Government Initiatives 	<ul style="list-style-type: none"> • World's First 'Bunched-beam' Electron Cooling at Collider • Pegasus Project and the need of surveillance reform in India • The new IT Rules 2021: Needs and Challenges • Issues in rolling out 5G networks in India • Sea Quark Surprise Reveals Deeper Complexity in Proton Spin Puzzle • Equipment Delivered for Global High-energy Physics Experiments Quantum • New AI Techniques
Session 2	ICT	<ul style="list-style-type: none"> • Computers, Devices, super computers, quantum tech. • display and printing tools networks and issues, IoT, CPS 	<ul style="list-style-type: none"> • Gaganyaan Mission • Big Data • ICT applications and role in different sectors • Contemporary Issues in ICT • Internet Of Things • Big Data Initiative • Supercomputer and its Applications • Li-Fi Technology and its Application • Use of it in Financial Inclusion • Credit/Debit Card Crimes • Bharatnet Project • Wanna Cry Malware • Concept of Cyber-Physical Systems • Esign Electronic Signature Service: Significance & Applications

Session & Date	Session Topics	Sub Topics	Detail list with Current Affairs
			<ul style="list-style-type: none"> • Digital India: Achievements • Adoption of Blockchain Technology to Stop Bank Frauds • Artificial Intelligence and Society • Two Authentication Procedure • Facial Authentication Working • Issue of Internet Governance • Quantum computing • National supercomputing mission • Data Protection-B N Srikrishna committee
Session 3	Robotics	<ul style="list-style-type: none"> • Types and role of robots in India 	<ul style="list-style-type: none"> • Robotics adoption in India • Application of Robotics in different sectors • "Make in India" and the demand for robotics technology • AI and digital inclusion • India's "AI for All" strategy • RAISE 2020 summit
Session 4	HEALTH MEDICINE	<ul style="list-style-type: none"> • Diseases, medicines, vaccines 	<ul style="list-style-type: none"> • Tuberculosis • Mother-to-Child Transmission of HIV • Generic Drugs in India • Stent Implants • Intellectual Property Rights: Issues & Concerns • Misuse of Secondary Patent Methodology • Digital Biopiracy

Session & Date	Session Topics	Sub Topics	Detail list with Current Affairs
			<ul style="list-style-type: none"> • Clinical Applications of whole Genome • Sequencing • Rare Diseases in India and the draft National Policy for Rare Diseases
Session 5	Health Medicine	<ul style="list-style-type: none"> • Initiatives of government of India 	<ul style="list-style-type: none"> • Law Commission Report on Human DNA Profiling • Law against Genetic Discrimination • Genome Editing: What, Why and Way Forward • Mass Embryo Transfer • Issues Related to Gm Food • Importance of Genetic Testing
Session 6	BIOTECHNOLOGY	<ul style="list-style-type: none"> • Application of Biotechnology • Biotechnology Projects • Issue of Bio-Piracy • Bioinformatics 	<ul style="list-style-type: none"> • Health Geo-Mapping Project • Digital Health Technology Eco-System • Ethical Dimension In Biotechnology • Monoclonal antibody therapy • Brain Fingerprinting technology: applications and limitations • New DNA law and the privacy concerns in India
Revision Test 3 & Discussion (PT Mock + Mains Answer Writing)		(Science & Technology)	
Session 7	SPACE TECH	<ul style="list-style-type: none"> • Indian space initiatives • Satellite Communication in India 	<ul style="list-style-type: none"> • Solar Mission-Aditya • Chandrayaan-2 Mission • RISAT 2B • MANAV: Human Atlas Initiative

Session & Date	Session Topics	Sub Topics	Detail list with Current Affairs
		<ul style="list-style-type: none"> • INSAT Satellite Applications • Remote Sensing Applications • Cryogenic Rockets • Global Positioning System • Role of Space in Development • ISRO as Soft Power 	<ul style="list-style-type: none"> • PSLV C47 and CARTOSAT 3 • Voyager 2 • Aditya L1 Mission • Interplanetary Pollution • Importance of navigation system • Reusable Launch Vehicle • Space Debris • GAGANYAAN • Indian Space Station • GEMINI (Gagan Enabled Mariner's Instrument for Navigation and Information) • 'Geospatial sector' in India
Session 8	SPACE TECH	<ul style="list-style-type: none"> • Issue of Space Race • Astronomy and cosmological initiatives, • policies and issues 	<ul style="list-style-type: none"> • Outer Space Treaty • Neutrino Observatory • X 57 Maxwell • Kepler Space Telescope • Spitzer Space Telescope • Spectrum Roentgen Gamma Telescope • Methane on Mars • 20 years of International Space Station • Sentinel-3 World Fire Atlas • Deep Carbon Observatory • NASA ICON Mission • Space Based Remote Sensing Policy of India • Humans in Space Policy for India 2021 • The future of Satellite-based internet connectivity in India

Session & Date	Session Topics	Sub Topics	Detail list with Current Affairs
Session 9	DEFENCE	<ul style="list-style-type: none"> • Missile System and their Classification • India's Missile System • India's Ballistic Missile Defence System • UAVs in India • Stealth Technology • Chemical Weapons and Biological Weapons 	<ul style="list-style-type: none"> • India's Missile System • Brahmos and its Significance • India's Ballistic Missile Defence System • Indian Submarines and Naval Ships • Light Combat Aircraft • UAVs in India • Chemical Weapons • Biological Weapons • Make in India in Defence • Present Scenario • Make in India in Defense • Government Policy • Strategy for Indigenization • Skill Development • Technology acquisition • PINAKA Rocket • Secure Application for the Internet (SAI) • MALABAR 20 Naval Exercise • Nag anti-tank missile • BRAHMOS Missile • Supersonic Missile Assisted Release of Torpedo (SMART) Missile • Quick Reaction Surface to Air Missile (QRSAM) defence system • Scorpene Submarine "Vagir" • Mission Sagar Phase II • Rudram: Anti-Radiation Missile • Abhyas Air Vehicle

Session & Date	Session Topics	Sub Topics	Detail list with Current Affairs
			<ul style="list-style-type: none"> • Indigenisation of Defence • Permanent Commission to Women Officers in Army • Airborne Rescue Pod for Isolated Transportation (ARPIT) • UN Gender Advocate Award • D.B. Shekatkar Committee
Session 10	Energy-Tech	<ul style="list-style-type: none"> • non-renewable and renewable energy sources and initiatives 	<ul style="list-style-type: none"> • India's energy-security goals to raise the country's renewable energy (RE) capacity to 175 gigawatts (GW) by 2022 from under 95 GW now • Amendments on the Electricity Act • Solar Energy Corporation of India Ltd. (SECI) • KAPP-3 in Gujarat achieved its 'first criticality' • Ethanol Production • Coal mining • One Sun One World One Grid (OSOWOG) initiative
Session 11	Nuclear-Tech	<ul style="list-style-type: none"> • Nuclear-Power Policy of India • Non-energy Applications of Nuclear Energy • Impact of Radiation, Issue of Radioactive Waste • Institutions involved in Nuclear Energy Development 	<ul style="list-style-type: none"> • India's civil nuclear energy program • Nuclear Energy Projections • India-US Strategic Security Dialogue (March 2019) • India's experiences with imported reactors • Opposition to Nuclear Power in India • UAE connects first Arab nuclear plant to power grid

Session & Date	Session Topics	Sub Topics	Detail list with Current Affairs
		<ul style="list-style-type: none"> Nuclear & Radiological Disasters 	<ul style="list-style-type: none"> 75th Anniversary of the Russian nuclear industry Global Center for Nuclear Energy Partnership (GCNEP)
Session 12	Nanotech	<ul style="list-style-type: none"> type and role of Nanotechnology in India, Initiatives 	<ul style="list-style-type: none"> Nanotechnology applications Cancer treatment and nanoparticles
Revision Test 4 & Discussion (PT Mock + Mains Answer Writing)		Science & Technology	

ENVIRONMENT

Session 36	Ecology	<ul style="list-style-type: none"> Basics of Ecosystem 	<ul style="list-style-type: none"> General issues on Environmental Ecology– Ecological terms like Ecotone, Ecological niche ecosystem
Session 37	Ecology	<ul style="list-style-type: none"> Ecosystem Dynamics 	<ul style="list-style-type: none"> Sustainable Development–renewable energy Biotechnology (bio-fertilizers, bio-pesticides) Biomass gasification Ecologically sensitive areas
Session 38	Biodiversity	<ul style="list-style-type: none"> Biodiversity and Important species of India 	<ul style="list-style-type: none"> Conservation of natural resources, National Parks, Wildlife conservations, Wetlands, Biosphere Reserves etc.
Session 39	Biodiversity	<ul style="list-style-type: none"> Biodiversity governance 	<ul style="list-style-type: none"> Internationally recognized Wetlands\ Laws, Regulatory Bodies and Policies at national and international level Intergovernmental Organizations

Session & Date	Session Topics	Sub Topics	Detail list with Current Affairs
			<ul style="list-style-type: none"> • Treaties and Conventions related to climate change • Biosphere Reserves of India
Session 40	Pollution and conservation	<ul style="list-style-type: none"> • Air degradation and conservation initiatives 	<ul style="list-style-type: none"> • Nitrous Oxide Pollution • Era of leaded petrol over
Session 41	Pollution and conservation	<ul style="list-style-type: none"> • Water degradation and conservation 	<ul style="list-style-type: none"> • Ammonia level in water • New Wetland Conservation Rules • Ramsar Sites • National Action Plan for Vulture Conservation, 2020-25 • e-waste in India & its regulation • Increasing Water Pollution in Rivers • Mitigation measures of Cyclones and related hazards
Session 42	Pollution and conservation	<ul style="list-style-type: none"> • Coastal and marine conservation 	<ul style="list-style-type: none"> • Protected Marine reserve of Atlantic Ocean • Decline of Coral reefs • Palau became 1st nation to ban 'reef toxic' sun cream complete phase out of Hydrochlorofluorocarbon (HCFC)-141 b • Blue Flag Label • Mass stranding of whales • Declining Population of Pollinators • Mass Coral Bleaching – Threats to coral reefs
Session 43	Pollution and conservation	<ul style="list-style-type: none"> • Land and forest degradation and conservation 	<ul style="list-style-type: none"> • China to become carbon neutral by 2060

Session & Date	Session Topics	Sub Topics	Detail list with Current Affairs
			<ul style="list-style-type: none"> India's "Mission 2070: A Green New Deal for a Net-Zero India" Climate Change Performance Index Increasing wildfires Degradation in India's north-eastern region UNESCO World Heritage Forests Indian Railways and its net zero emission Kunming Declaration on biodiversity conservation Human-wildlife conflict Forest Rights in India Use of drones for wildlife conservation
Session 44	Climate change	<ul style="list-style-type: none"> Climate change and Impact 	<ul style="list-style-type: none"> Forest cover in India India Energy Forum Link between climate change and wildfires Sunderbans at risk due to Climate Change
Session 45	Climate change governance	<ul style="list-style-type: none"> Climate resilience initiatives and governance 	<ul style="list-style-type: none"> Tarballs in the Himalayan region UNESCO included Panna National Park under its list of Biosphere reserves Biomass gasification-based Hydrogen Generation Technology NITI Aayog-piloted 'holistic' and 'sustainable' vision for Great Nicobar Island

Session & Date	Session Topics	Sub Topics	Detail list with Current Affairs
			<ul style="list-style-type: none"> • Saksham campaign • Eco-Bridges and • Biodiversity Management • COP 26
Session 46	Sustainable Development	<ul style="list-style-type: none"> • Climate change and sustainable development 	<ul style="list-style-type: none"> • First World Solar Technology Summit • Impact of climate change on agriculture • Sustainable Development in Indian Himalayan Region • SC Panel: Char Dham Project caused incalculable and long-term damage to the Himalayan ecology • Retrofit of Air-conditioning to improve indoor air quality for safety and efficiency (RAISE)
Session 47	Sustainable Practices	<ul style="list-style-type: none"> • Climate resilient agriculture, green initiatives 	<ul style="list-style-type: none"> • PUSA Decomposer • Global Warming Hiatus (GWH) • International Barcode of Life (iBOL) • The New Green Revolution: A Just Transition to Climate-Smart Crops • Environmental Sustainability • Wetland Management • Initiatives to enhance green cover • Policy on Promotion of City Compost • Living status to Rivers
Revision Test 5 & Discussion (PT Mock + Mains Answer Writing)		ENVIRONMENT	

Session & Date	Session Topics	Sub Topics	Detail list with Current Affairs
DISASTER MANAGEMENT			
Session 48	Introduction to disaster management	<ul style="list-style-type: none"> Basics of Disaster Management & Institutional framework on disaster management 	<ul style="list-style-type: none"> Disaster risk management Definitions and Terminology- Hazard , Exposure , Vulnerability , Risk Disaster Risk Reduction Information management in Disaster Risk Reduction Aspects of disaster management- Mitigation, Preparedness, Response, Recovery, etc. Classification of disasters- Natural and man made Evolution of Disaster Management in India Organisation and Structure of Disaster Management Present Structure for Disaster Management in India Disaster Management Act, 2005 National Policy on Disaster Management, 2009 The National Disaster Management Plan, 2016 Gaps between Disaster and Trauma Care International cooperation on disaster management
Session 49	India's vulnerability several disasters	<ul style="list-style-type: none"> Natural disaster 	<ul style="list-style-type: none"> Earthquake Cyclones Tsunami Flood

Session & Date	Session Topics	Sub Topics	Detail list with Current Affairs
			<ul style="list-style-type: none"> • Cloud burst • Landslides • Heat Wave • cold wave and fog • droughts • wild fire • Nuclear Reactor explosion • Gas Leakage • Climate Change and Disasters • Poverty and Disasters • Oil Spill Disasters • Vulnerability of North East India to large earthquakes
Session 50	India's vulnerability several disasters	<ul style="list-style-type: none"> • Man-made disasters 	<ul style="list-style-type: none"> • Biological disasters • Nuclear hazard • Industrial and chemical disasters • Disasters in mines • Stampede • Disaster Insurance
Revision Test 6 & Discussion (PT Mock + Mains Answer Writing)		DISASTER MANAGEMENT	

INTERNAL SECURITY

Session 51	Internal Security Challenges	<ul style="list-style-type: none"> • Social Diversity as Issues of Security Threat • Challenges from within India 	<ul style="list-style-type: none"> • Neighbors as Issue of Security Threat • Pakistan • China • Myanmar • Bangladesh • Bhutan • Nepal
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Session & Date	Session Topics	Sub Topics	Detail list with Current Affairs
			<ul style="list-style-type: none"> • Sri Lanka • Freedom of Navigation Operations (FONOP) • Integrated Theatre Command and unification of Army, Air force and Navy • Dedicated non-lapsable Modernisation Fund for Defence and Internal Security (MFDIS) • Separate tribunal for CAPF • Quad Grouping to ensure Freedom of Navigation • Blackdoor Bugs • Naval Innovation and Indigenisation Organisation (NIIO) • Spy and Stalkerware Apps • Chennai-Andaman and Nicobar Island Submarine Cable System (CANI-SMCP) • Dark Web • Malware 'Cerberus' • Operation Samudra Setu'
Session 52	Terrorism	<ul style="list-style-type: none"> • Terrorism Threat to India • Changing face of Terrorism • Terror Threats Faced by India • Broader Framework to Deal with Terrorism 	<ul style="list-style-type: none"> • US-India Counter Terrorism Joint Working Group • FATF • National Counter Terrorism Centre • Global Terrorism Index • Designated Terror Organization • Rise of Taliban: Drug trafficking and Narco terrorism as a National threat for India

Session & Date	Session Topics	Sub Topics	Detail list with Current Affairs
Session 53	Black Money and Organized crime nexus	<ul style="list-style-type: none"> • Issue of black money • Money laundering • Smuggling • Human trafficking • Narcotics and Opium Trade 	<ul style="list-style-type: none"> • Black money recovery • Panama Papers • Tax heavens • BEPS • Round tripping • International agreements to deal with black money • Advance price agreements • Goldern crescent • Goldern triangle
Session 54	Border Security	<ul style="list-style-type: none"> • Security Challenges in Border Areas • Challenges to Border Management • Issues Faced in Border Management • Community Participation for Border Management 	<ul style="list-style-type: none"> • India-China border issue • Aksai Chin • Depsang Plains • Demchok, Chumar • Kaurik, Shipki La • Nelang, PulamSumda, Sang, Jadhong and Lapthal • Barahoti • Trans-Karakoram Tract • Arunachal Pradesh • Border dispute with Pakistan • Jammu and Kashmir • Siachen Glacier • Salto Ridge • Sir Creek • Kalapani • Susta • Issues with existing border fence. • Jurisdiction enhancement of Border Security Force (BSF) • Security issues in Critical Information Infrastructure (CII)

Session & Date	Session Topics	Sub Topics	Detail list with Current Affairs
Session 55	Border Security	<ul style="list-style-type: none"> • Bilateral Issues 	<ul style="list-style-type: none"> • Border Issues between India and China • Border dispute with Myanmar • Dispute between the land in Kabaw Valley near Hollenphai village, Moreh of Manipur state, India and Namphalong village, Tamu of Sagaing Region, Myanmar. • Border dispute with Nepal • Border dispute with Bhutan • Regions between Sarbhang and Geyleghug
Session 56	Cyber Security	<ul style="list-style-type: none"> • Cyber Security • Types of Cyber Crimes 	<ul style="list-style-type: none"> • The current state of cyber security in India • Cyber Security and Surveillance • The Dark Web and Regulatory Challenges
Session 57	Cyber Security	<ul style="list-style-type: none"> • Impact and Steps needed • Recent Incident: Ransomware • National Cyber Policy 	<ul style="list-style-type: none"> • Need of a 'robust' cyber security policy • Internet Crime Report for 2019 • National Crime Records Bureau (NCRB) • Important Bodies • National Technical Research Organisation • Indian Computer Emergency Response Team (CERT-In) • Drone Rules, 2021 and national security
Session 58	Social Media and Internal Security Threat	<ul style="list-style-type: none"> • Regulation of Social Media in India for Internal Security 	<ul style="list-style-type: none"> • Potential threats on social media • Privacy concerns

Session & Date	Session Topics	Sub Topics	Detail list with Current Affairs
		<ul style="list-style-type: none"> Challenges in Monitoring Social Media 	<p>Need of a new legislative framework of the tech and internet sectors Ban on 59 Chinese mobile applications to counter the threat posed by these applications to the country's "sovereignty and security"</p> <ul style="list-style-type: none"> Electronic media regulation OTT [over-the-top] streaming platforms to come under the jurisdiction of the information and broadcasting ministry
Revision Test 7 & Discussion (PT Mock + Mains Answer Writing)		INTERNAL SECURITY	

SECTIONAL TEST (AFTER PRELIMS)

TEST NO.	TOPICS
Test 1	Indian Economy
Test 2	Science & Tech. and Internal Security
Test 3	Environment & Disaster Management

MOCK TEST (AFTER PRELIMS)

TEST NO.	TOPICS
Mock Test 1	GS Paper 3
Mock Test 2	GS Paper 3

TOP 100
ALL INDIA RANKING
CSE 2020

8	9	12	13	14	16	17	19	20		
24	26	28	30	31	36	38	41	45	50	
51	52	55	56	58	59	67	68	70	71	73
74	76	78	83	84	85	86	89	93	98	100

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TOP 100
ALL INDIA RANKING
CSE 2019

3	6	10	11	16	17	21	22	28			
30	33	38	39	42	44	46	53	54	59	66	69
70	72	77	78	80	82	84	86	87	94	97	98

TOP 100
ALL INDIA RANKING
CSE 2018

2	3	5	7	27	36	37	40	44	49		
51	52	56	58	62	74	81	89	92	94	98	100

TOP 100
ALL INDIA RANKING
CSE 2017

3	10	19	31	33	35	40	41	44	45	48		
54	57	63	64	68	71	75	77	80	83	93	97	100