

IAS 2023-24

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

**27 AUGUST
2022**

TIMINGS

6:00 PM to 8:30 PM

₹ COURSE FEE

**Rs. 20,000/-
(including GST)**

8448496262



www.iasscore.in

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.

INDIAN ECONOMY

Session & Date	Session Topics	Sub Topics	Detail list with Current Affairs
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 • Economic Reforms in last 5 years • National Monetization Pipeline: Scope and Impact • Strategic Disinvestment in India: Rationale and Concerns • Sectoral & Regional Diversification as tool for Inclusive Growth • The era of Gig Economy; • Women and their role in economy

Session & Date	Session Topics	Sub Topics	Detail list with Current Affairs
			<ul style="list-style-type: none"> Are Start-Ups really the New Growth Engines of Indian Economy?
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"> Niti Aayog report on employment Macro-Economic Framework Statement 2021-22 Employment Generation in India (e-SHRAM portal) Issues with States fiscal management in India India Vs Bharat: Rural-Urban Divide 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 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

Session & Date	Session Topics	Sub Topics	Detail list with Current Affairs
			<ul style="list-style-type: none"> 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 Direct tax code Centre-state distribution issue over GST Gender Budgeting: Issues and Measures Needed Fiscal Federalism in India Concessional tax rate regime
Session 7	Budget and Fiscal Policy	<ul style="list-style-type: none"> Expenditure and Subsidy Subsidy Reforms Education and health expenditure Concept of committed expenditure Centre-state distribution 	<ul style="list-style-type: none"> Subsidies and its Impact Public Debt and Borrowing <ul style="list-style-type: none"> FRBM Act N.K. Singh Panel on FRBM 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 	<ul style="list-style-type: none"> Global Agricultural Productivity Report (GAP Report)

Session & Date	Session Topics	Sub Topics	Detail list with Current Affairs
		<ul style="list-style-type: none"> • Agricultural trade • Factors affecting agricultural productivity • Challenges of the Sector • Land records and informal leasing 	<ul style="list-style-type: none"> • Lab to Land: How to Improve Agriculture Price Policy in India • Conclusive Land Titling • Agricultural distress • Need of a comprehensive agricultural policy • State of food and agriculture
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 • Marketing (APMC, FCI, PDS, e-NAM) • Govt Policies and Schemes, • Contract farming, • Supply chain management 	<ul style="list-style-type: none"> • NITI Aayog Report on Agriculture • Bhavantar Bhugtan Yojana • Data revolution in Indian agriculture • Agriculture Export Policy • The future of Indian agriculture • Feminisation of Agriculture • State of Biofertiliser and organic fertilizer
Session 11	Agriculture	<ul style="list-style-type: none"> • Food processing, • Subsidies, • WTO and Indian agriculture 	<ul style="list-style-type: none"> • Commodity exchanges integration • Mega Food Park Policy • Livestock Sector of India: Scope and Government Initiatives • Pulses for Food Security and Sustainable Future <ul style="list-style-type: none"> ▶ WTO subsidy lists ▶ Amber Bag ▶ Blue Bag ▶ Green bag

Session & Date	Session Topics	Sub Topics	Detail list with Current Affairs
			<ul style="list-style-type: none"> India's wheat export ban, understanding India's agricultural exports & challenges
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 Special Purpose Acquisition Company LIC IPO Account Aggregator Bad Banks
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"> 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 Financial Inclusion: Last Mile Challenge
Session 14	Financial System & Monetary Policy	<ul style="list-style-type: none"> Monetary Policy and RBI, 	<ul style="list-style-type: none"> RBI reforms RBI on chit funds Uday Kotak committee

Session & Date	Session Topics	Sub Topics	Detail list with Current Affairs
		<ul style="list-style-type: none"> • Co-operative banking, • Frauds, • Technology, • Start-ups • SEBI • Corporate governance 	<ul style="list-style-type: none"> • The concept of Bad Bank • Account Aggregator System • Introduction of Central Bank Digital Currency (CBDC) • Taxing Virtual Currencies • 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"> • 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 • 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

Session & Date	Session Topics	Sub Topics	Detail list with Current Affairs
			<ul style="list-style-type: none"> Major reforms in the telecom sector Deep Ocean Mission (DOM) NITI Aayog and Cisco collaborated to encourage women's entrepreneurship in India Increasing role of MSMEs Circular Economy: new to forever new
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 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 World Economic Forum & its role

Session & Date	Session Topics	Sub Topics	Detail list with Current Affairs
			<ul style="list-style-type: none"> • A More Connected Global Economy Is a Double-Edged Sword: WTO
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 • Economic N-Bomb; Russia Excluded from SWIFT
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 • Energy Access in India • Emerging market electricity Leapfrog • Connect Karo 2021 - Towards Equitable, Sustainable Indian Cities' • Investment in Social Infrastructure for Sustainable Growth in India • Air India Privatization • Sagarmala project • H-1B Visa Rule Change & It's Impact on IT Sector • Invigorating Ayush Industry • Semiconductor and Indian Economy • Economics of Oil • Infrastructure in India • Rural Tourism

Session & Date	Session Topics	Sub Topics	Detail list with Current Affairs
			<ul style="list-style-type: none"> • Need for reforms in Market Infrastructure Institutions • Battery Swap Policy • Data 4.0 – Rethinking rules for a data-driven economy • Telecom Sector and its issues • India and its commitments to renewable energy • PM Gati Shakti National Master Plan
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"> • Rangarajan poverty estimates • World bank poverty estimates • Global Hunger Index 2021 • Collapse of economy and role of state • Rural economy needs a new deal
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 • Social Security Code; • State of (Un)employment in India • Care Economy via Universal Basic Income • Financial Inclusion: Last Mile Challenge
Session 22	PT – special 1	<ul style="list-style-type: none"> • Microeconomics • Major terms 	

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

SCIENCE & TECHNOLOGY

Session & Date	Session Topics	Sub Topics	Detail list with Current Affairs
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 • Display Technologies • Government Initiatives 	<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 • ISRO launches 'Young Scientists Programme' for students • Other S&T Achievements • World's First 'Bunched-beam' Electron Cooling at Collider • 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. 	<ul style="list-style-type: none"> • Use of it in Financial Inclusion • Credit/Debit Card Crimes • Wanna Cry Malware

Session & Date	SESSION TOPICS	Sub Topics	Detail list with Current Affairs
		<ul style="list-style-type: none"> display and printing tools networks and issues, IoT, CPS 	<ul style="list-style-type: none"> Concept of Cyber-Physical Systems Esign Electronic Signature Service: Significance & Applications 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 Digital public goods (DPGs) and Open Source Technology Big Tech weaponizing internet amid conflict Drone Technology in Agriculture India's race to quantum supremacy Deep Fakes Quantum Key Distribution (QKD)
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

Session & Date	SESSION TOPICS	Sub Topics	Detail list with Current Affairs
		<ul style="list-style-type: none"> • "Make in India" and the demand for robotics technology 	
Session 4	HEALTH MEDICINE	<ul style="list-style-type: none"> • Diseases, medicines, vaccines 	<ul style="list-style-type: none"> • Generic Drugs in India • Stent Implants • Intellectual Property Rights: Issues & Concerns • Misuse of Secondary Patent Methodology • Digital Biopiracy • Clinical Applications of whole Genome • Sequencing • Rare Diseases in India and the draft National Policy for Rare Diseases • New WHO report highlights collaborative action to reduce Antimicrobial resistance (AMR) • m-RNA technologies for Vaccine production • Synthetic Biology • Antimicrobial resistance (AMR) • Traditional Medicine: Challenges and Opportunities
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 • Genome editing and its medical application

Session & Date	SESSION TOPICS	Sub Topics	Detail list with Current Affairs
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 • New DNA law and the privacy concerns in India • 3D Printing and Health sector • Human Cell Atlas
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 • 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"> • Interplanetary Pollution • Importance of navigation system • Reusable Launch Vehicle • Space Debris • GEMINI (Gagan Enabled Mariner's Instrument for Navigation and Information) • 'Geospatial sector' in India • Geospatial Sector of India • Space Debris • Satellite Internet Services • Gaganyaan
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 • Spitzer Space Telescope • Spectrum Roentgen Gamma Telescope • Deep Carbon Observatory

Session & Date	SESSION TOPICS	Sub Topics	Detail list with Current Affairs
			<ul style="list-style-type: none"> • NASA ICON Mission • The future of Satellite-based internet connectivity in India • Geopolitics of outer space
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"> • Make in India in Defence • Present Scenario • Make in India in Defense • Government Policy • Strategy for Indigenization • Skill Development • Technology acquisition • Quick Reaction Surface to Air Missile (QRSAM) defence system • Mission Sagar Phase II • Rudram: Anti-Radiation Missile • 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"> • Amendments on the Electricity Act • Solar Energy Corporation of India Ltd. (SECI) • Ethanol Production • Coal mining • One Sun One World One Grid (OSOWOG) initiative • Indian Antarctic Bill

Session & Date	SESSION TOPICS	Sub Topics	Detail list with Current Affairs
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 • Nuclear & Radiological Disasters 	<ul style="list-style-type: none"> • India's civil nuclear energy program • Nuclear Energy Projections • India's experiences with imported reactors • Opposition to Nuclear Power in India • 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 & Date	Session Topics	Sub Topics	Detail list with Current Affairs
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 Black carbon deposits on Himalayan glaciers
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. India State of Forest Report (ISFR) 2021
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 Treaties and Conventions related to climate change Biosphere Reserves of India India State of Forest Report (ISFR) 2021 IPCC Sixth Assessment Report- Part 3

			<ul style="list-style-type: none"> • Wildlife Protection (Amendment) Act • Wildlife Conservation in 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 • Air Pollution In Delhi: • Fly Ash • Right To Burn Fossil Fuels
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 • Mitigation measures of Cyclones and related hazards • Unsustainable Groundwater Extraction: • Water Crisis And Women
Session 42	Pollution and conservation	<ul style="list-style-type: none"> • Coastal and marine conservation 	<ul style="list-style-type: none"> • Declining Population of Pollinators • 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 • India's "Mission 2070: A Green New Deal for a Net-Zero India" • Climate Change Performance Index • Kunming Declaration on biodiversity conservation • Human-wildlife conflict • Forest Rights in India • Use of drones for wildlife conservation

			<ul style="list-style-type: none"> • Land Degradation And Desertification: • Human Wildlife Conflict • Nutrient Deficiency In Soil
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 • Climate induced Migration • Desertification: 'Droughts reduced India's GDP by up to 5% in 20 years' • Recycling Heat Generated by Datacentres • Forest Fires
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 • Biomass gasification-based Hydrogen Generation Technology • NITI Aayog-piloted 'holistic' and 'sustainable' vision for Great Nicobar Island • Carbon Capture, Utilization and Storage (CCUS) • Centre extends tenure of environmental clearances • Green Hydrogen Policy • Hydropower in India: Balancing global carbon benefits with local environmental costs • UNEA's Pledge to curb Plastic Pollution • Waste to Wealth Mission
Session 46	Sustainable Development	<ul style="list-style-type: none"> • Climate change and sustainable development 	<ul style="list-style-type: none"> • SC Panel: Char Dham Project caused incalculable and long-term damage to the Himalayan ecology

			<ul style="list-style-type: none"> • 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"> • The New Green Revolution: A Just Transition to Climate-Smart Crops • Environmental Sustainability • Agro-forestry & its socio-economic impact • CIRCULAR ECONOMY: • Climate Smart Agriculture • Organic And Natural Farming • Plastic Management • Single Use Plastics • Stubble Burning • Sustainable Farming • World Wetlands Day • Climate Smart Public Private Partnership • Mine E-Waste, Not The Earth • Guiding Peri-Urban Transformation
Revision Test 5 & Discussion (PT Mock + Mains Answer Writing)		ENVIRONMENT	

DISASTER MANAGEMENT

Session & Date	Session Topics	Sub Topics	Detail list with Current Affairs
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 • International cooperation on disaster management • Global assessment report on drought, 2021 • Coastal vulnerability index • Climate Vulnerability index • Disaster Management and role of technology • Role of local self government in disaster management and mitigation • Budget Allocation on Disaster resilience

Session & Date	Session Topics	Sub Topics	Detail list with Current Affairs
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 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 Urban Fire Risk Droughts in India Tropical Cyclones In India Increasing Cloudburst events in India Landslide and Flash Flood Earthquake & its management
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 War and Disaster management:
Revision Test 6 & Discussion (PT Mock + Mains Answer Writing)		DISASTER MANAGEMENT	

INTERNAL SECURITY

Session & Date	Session Topics	Sub Topics	Detail list with Current Affairs
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 • 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' • Challenge of Recidivism to Counter-Radicalisation Programmes

Session & Date	Session Topics	Sub Topics	Detail list with Current Affairs
			<ul style="list-style-type: none"> • Left Wing Extremism • The rise of 'communalism', a threat to India • Insurgency
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"> • FATF • National Counter Terrorism Centre • Global Terrorism Index • Designated Terror Organization • Terrorism • Organized crime and terrorism
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 • BEPS • Round tripping • International agreements to deal with black money • Advance price agreements • Golden crescent • Golden triangle • The menace of Money laundering in India • Black Money
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"> • 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

Session & Date	Session Topics	Sub Topics	Detail list with Current Affairs
			<ul style="list-style-type: none"> • Kalapani • Susta • Issues with existing border fence. • Jurisdiction enhancement of Border Security Force (BSF) • Security issues in Critical Information Infrastructure (CII)
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

Session & Date	Session Topics	Sub Topics	Detail list with Current Affairs
			<ul style="list-style-type: none"> 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 Challenges in Monitoring Social Media 	<ul style="list-style-type: none"> Potential threats on social media Privacy concerns 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" Electronic media regulation
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