

ECONOMY

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| 1. | Indian Economy and issues relating to Planning |
| (1) | Types of Economic Planning |
| (2) | Emergence of Planning Concept |
| (3) | National Development Council |
| (4) | Features of Indian Planning |
| (5) | Objectives of Planning |
| (6) | Planning Strategy |
| (7) | Five year Plans |
| (8) | Shortcoming of Planning Commission |
| (9) | Emergence Of NITI Aayog |
| (10) | Composition of NITI Aayog |
| (11) | 7 pillars of NITI Aayog |
| (12) | Challenges and Achievement of NITI Aayog |
| 2. | Mobilisation of Resources, Growth, Development and Employment. |
| A. | Poverty |
| (1) | Definition of poverty |
| (2) | Causes of poverty |
| (3) | Estimation of poverty line |
| (4) | Poverty trap |
| (5) | Inequality ratios |
| (6) | Poverty alleviation programmes |
| (7) | Public Distribution System |
| (8) | National Food Security Act (NFSA), 2013 |
| (9) | Shanta Kumar recommendations |
| B. | Unemployment |
| (1) | Meaning of Unemployment |
| (2) | Types of unemployment |
| (3) | Measurement of Unemployment |
| (4) | Causes of Unemployment |
| (5) | Impact of Unemployment |
| (6) | Government measures for employment generation |
| 3. | Inclusive Growth and issues arising from it. |
| (1) | Meaning of Inclusive growth |
| (2) | Challenges in achieving Inclusive growth |
| (3) | Ways to achieve Inclusive growth |
| (4) | Government measures to achieve Inclusive growth |
| 4. | Universal Basic Income |
| (1) | Features of UBI |
| (2) | Need of UBI |
| (3) | Advantages of UBI |

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| (4) | Disadvantages of introducing UBI |
| (5) | Challenges in implementing UBI |
| (6) | International examples |
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| 5. | Corporate Social Responsibility |
| (1) | Meaning of CSR |
| (2) | Regulation of CSR |
| (3) | Benefits of CSR |
| (4) | Issues related to CSR |
| (5) | Way forward |
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| 6. | Demographic Dividend |
| (1) | Stages of Demographic Transition |
| (2) | Benefits of DD |
| (3) | Utilisation of DD |
| (4) | Examples of DD |
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| 7. | Government Budgeting |
| (1) | Preparation of Budget |
| (2) | Revenue account and Capital account |
| (3) | Different types of Deficit |
| (4) | FRBM Act |
| (5) | NK Singh committee recommendations |
| (6) | Management of Public Debt |
| (7) | Disinvestment |
| (8) | Outcome Budgeting |
| (9) | Green Budgeting |
| (10) | Gender Budgeting |
| (11) | Zero based Budgeting |
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| 8. | Indian Tax Structure |
| (1) | Direct tax code |
| (2) | Indirect tax |
| (3) | GST |
| (4) | Advantages of GST |
| (5) | Challenges of GST |
| (6) | Achievements of GST |
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| 9. | Major Crops - Cropping Patterns in various parts of the country |
| A. | Land reforms in India |
| (1) | Abolition of Intermediaries |
| (2) | Tenancy Reforms |
| (3) | Ceiling on Landholdings |
| (4) | Consolidation of Landholdings |
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| B. | Green Revolution |
| (1) | Objectives of GR |
| (2) | Positive impact of GR |
| (3) | Negative impact of GR |
| (4) | Umbrella scheme under GR |
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| C. | Minimum Support Price |
| (1) | Determinants of MSP |
| (2) | Calculation of MSP |
| (3) | Advantages of MSP |
| (4) | Issues related to MSP |
| (5) | Swaminathan commission |
| (6) | Ramesh Chandra committee |
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| D. | Agricultural Subsidies |
| (1) | Types of subsidies |
| (2) | WTO and agricultural subsidies |
| (3) | Issues related to farm subsidies |
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| E. | Agriculture Marketing |
| (1) | Key aspects of agricultural marketing |
| (2) | Problems in agricultural marketing in India |
| (3) | Government measures |
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| F. | Contract Farming |
| (1) | Business models |
| (2) | Advantages of CF |
| (3) | Limitations of CF |
| (4) | Contract Farming Act 2018 |
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| G. | Zero budget Natural Farming |
| (1) | Pillars of ZBNF |
| (2) | Benefits |
| (3) | Issues related to ZBNF |
| (4) | Government initiatives to support ZBNF |
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| H. | Genetically modified crops (GM crops) |
| (1) | Mechanism of GM crops |
| (2) | Advantages of using GM crops |
| (3) | Limitations |
| (4) | Government Initiatives |
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| 10. | E- Technology in the aid of farmers |
| (1) | Meaning of E- tech |
| (2) | Role of ICT in agriculture |
| (3) | Benefits of ICT in agriculture |

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| (4) | Technology enabling smart farming in India |
| 11. | Irrigation System in India |
| (1) | Importance of Irrigation |
| (2) | Different Irrigation Practices |
| (3) | Benefits of Micro Irrigation Systems |
| (4) | Problems related to Irrigation in India |
| (5) | PM krishi Sinchayi Yojana |
| 12. | Industrial Policy of India |
| (1) | Objectives of IP |
| (2) | Industrial Policy - pre 1991 and post 1991 |
| (3) | Criticism of IP |
| (4) | Suggestions for improvement |
| 13. | Infrastructure |
| (1) | Energy |
| (2) | Ports |
| (3) | Roads |
| (4) | Airports |
| (5) | Railways etc. |
| 14. | Investment Models |
| (1) | Types of Investment models |
| (2) | Advantages of IM |
| (3) | Issues involved |

ECOLOGY

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| 1. | POLLUTION & DEGRADATION |
| (1) | Land Degradation |
| a. | Causes and Impact of Land Degradation |
| b. | Desertification |
| c. | Sustainable Land Management |
| d. | Soil Erosion |
| e. | Problems due to Excessive Irrigation |
| f. | Soil Conservation |
| (2) | Air Pollution |
| a. | Causes of Air Pollution |
| b. | Harmful Effects of Common Air Pollutants |
| c. | Control of Air Pollution |
| (3) | Marine Pollution |
| a. | Effects of Marine Pollution |
| b. | Coastal Regulation Zone Notification, 2011 |
| (4) | Mining & Pollution |
| a. | Effects of Mining on Environment |

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| | b. | Concept of Sustainable Mining |
| | c. | Acts to regulate the adverse effects of Mining Activities |
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| | (5) | Other Pollution |
| | a. | Effects of Noise Pollution on Human Health |
| | b. | Harmful Effects from Biological Contaminants |
| | c. | Harmful Effects of Radioactive Pollution |
| | d. | Nuclear Accidents |
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| | (6) | Water Degradation |
| | a. | Measurement of Water Pollution |
| | b. | Harmful Effects of Water Pollution |
| | c. | Delhi Pollution |
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| 2. | | WASTE MANAGEMENT |
| | (1) | Solid Waste Management |
| | a. | Salient features of SWM Rules, 2016 |
| | | |
| | (2) | e-waste Management |
| | a. | Pollutants and their Health Impacts |
| | b. | Importance of the E-Waste Management |
| | c. | E-waste (Management & Handling) Rules, 2016 |
| | | |
| | (3) | Biomedical Waste |
| | a. | Hazards Associated with Waste Management |
| | b. | Bio-Medical Waste Management Rules, 2016 |
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| | (4) | Hazardous Waste |
| | a. | Hazardous Waste Treatment |
| | b. | Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016 |
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| 3. | | CLIMATE CHANGE |
| | (1) | Factors Affecting Climate Change |
| | (2) | Impact of climate change & its mitigation |
| | (3) | Climate Change Management |
| | a. | Conventions |
| | b. | International Organisations |
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| 4. | | ENVIRONMENTAL IMPACT ASSESSMENT SUSTAINABLE PRACTICES |
| | (1) | Impact of Agriculture on Environment |
| | a. | Sustainable Agriculture |
| | (2) | Sustainable Agriculture |
| | a. | Hi-tech Farming Methods |
| | b. | Rain Water Harvesting |
| | c. | Green Buildings and their Rating System in India |
| | (3) | Eco-tourism - Advantages & Disadvantages of Eco-tourism |

S & T

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| 1. | Achievements of Indians in Science & Technology; |
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| 2. | Indigenization of Technology and Developing New Technology. |
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| 3. | Awareness in the fields of IT |
| (1) | Wireless Technologies 1G - 5G |
| (2) | Development of 5G |
| (3) | Applications of 5G technology |
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| 4. | Awareness in the fields of Space |
| (1) | Origin and development of space research programmes |
| (2) | Organisation structure |
| (3) | Mission of ISRO |
| (4) | Types of orbits |
| (5) | Types of satellites |
| (6) | Challenges and opportunities in space |
| (7) | Types of launch vehicles |
| (8) | NASA and ISRO mission |
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| 5. | Awareness in the fields of Computers |
| (1) | Cloud computing |
| (2) | Edge computing |
| (3) | Quantum Computing |
| (4) | Internet of Things |
| (5) | Artificial Intelligence |
| (6) | Blockchain Technology |
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| 6. | Awareness in the fields of Robotics |
| (1) | Components of Robotics |
| (2) | Applications of Robotics |
| (3) | Challenges involved |
| (4) | Recent examples |
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| 7. | Nano-technology |
| (1) | Origin of Nano tech |
| (2) | Use of Nanotech in various fields |
| (3) | Carbon nanotubes |
| (4) | Graphene |
| (5) | Nano tech in India |
| (6) | Government Initiatives to promote Nanotechnology |
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| 8. | Bio-technology and issues relating to Intellectual Property Rights. |
| (1) | Recombinant DNA technology |
| (2) | Applications of bio -tech |
| (3) | Issues involved |
| (4) | Recent updates |

DISASTER MANAGEMENT

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| 1. | Miscellaneous Topics |
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| (1) | Disaster Insurance |
| (2) | Community-Based Disaster Management |
| (3) | Role of the Media in Disaster Management |
| (4) | Role of Social Media in Disaster Management |
| (5) | Retrofitting of Buildings-The Key is to Let it Swing |
| (6) | Climate Change and Disasters |
| (7) | Poverty and Disasters |
| (8) | Miscellaneous NDMA Guidelines |
| (9) | National Disaster Plan for Animals |
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| 2. | Recent Disaster Management Topics for UPSC |
| (1) | Epidemic Diseases Act 1897 |
| (2) | Disaster Management Act 2005 |
| (3) | PM's Care Fund |
| (4) | Kerala Floods 2018 |
| (5) | Flood Governance in India |
| (6) | Flash Flood |
| (7) | Oil Spill Disasters |
| (8) | Forest Fire |
| (9) | National Disaster Management Plans for Animals |
| (10) | NPDM 2009 |
| (11) | Cyclone, Floods, Tsunami, Landslides, Earthquakes, Volcanoes, etc. |

INTERNAL SECURITY

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| 1. | Understanding Internal Security |
| (1) | NEED |
| (2) | Threatening factors |
| (3) | Internal Security threats in India |
| (4) | INSTITUTIONS responsible |
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| 2. | Cyber Security |
| (1) | Meaning |
| (2) | Types |
| (3) | Motives behind Cyber Attacks |
| (4) | Need |
| (5) | Challenges |
| (6) | Recent Indian Initiatives |
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| 3. | Media and Internal Security |
| (1) | Social media |
| (2) | Role of media |
| (3) | Social media as threat |
| (4) | Need of regulation |
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| 4. | Money Laundering |
| (1) | Meaning |
| (2) | Stages |
| (3) | Forms |
| (4) | Impacts |
| (5) | How India is dealing with Money Laundering? |
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| 5. | Insurgencies in Jammu and Kashmir |

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| (1) | Historical background |
| (2) | How insurgency in Kashmir is led? |
| (3) | Initiatives led by Govt. of India: |
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| 6. | Insurgency in North East |
| (1) | Regions of North East and Militant Groups existing |
| (2) | State-wise situations |
| (3) | Efforts by Government of India |
| (4) | Solution |
| (5) | ASSAM-MEGHALAYA ACCORD |
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| 7. | Naxalism or Left-wing Extremism (LWE) |
| (1) | Origin |
| (2) | Present situation |
| (3) | Reasons |
| (4) | Solution |
| (5) | Csae study |
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| 8. | Security management of Border and Coastal areas |
| (1) | Border management |
| (2) | SECURITY THREATS |
| (3) | CHALLENGES |
| (4) | BORDER MANAGEMENT CHALLENGES WITH VARIOUS NEIGHBOURS |
| (5) | Government of India's initiative |
| (6) | Responsibility of BORDER MANAGEMENT DEPARTMENT |
| (7) | Solution |
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| 9. | Various security forces and agencies |
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