



INSIGHTS TEXTBOOK-BASED PRELIMS TEST SERIES 2022 [Only GS]

(with THEMATIC TESTS)

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1. Previous Years' UPSC Papers + Discussion & Strategy Videos

Date	Subject	
6 th June 2021 Sunday	UPSC Prelims Paper - 2015	Discussion Video
13 th June 2021 Sunday	UPSC Prelims Paper - 2016	Discussion Video
20 th June 2021 Sunday	UPSC Prelims Paper - 2017	Discussion Video
27 th June 2021 Sunday	UPSC Prelims Paper - 2018	Discussion Video
4 th July 2021 Sunday	UPSC Prelims Paper - 2019	Discussion Video
11 th July 2021 Sunday	Strategy & Tips to Solve MCQs & To follow the Prelims Test Series	

2. Textbook-based Schedule (Thematic tests start from Test 11)

Test No	Date	Test topics and sources
TEST - 1	15 th July 2021 Thursday	NCERT (class VI and VII)
		<ol style="list-style-type: none"> History – Our Past - Class VI The Earth Our Habitat - Class VI Social and Political Life – I Social and Political Life – II Our Environment - Class VII Science - Class VI and VII <p>Current Events (1st June 2021 – 14th July 2021) <i>Sources:</i> Insights Current Affairs + PIB Releases Map based questions - Region: India</p> <p>Mains Self Study Test (10 Questions) - Based on Above Topics</p>
TEST - 2	25 th July 2021 Sunday	NCERT (Class VII and VIII)
		<ol style="list-style-type: none"> Resource and Development - Class VIII Social and Political Life - Class VIII Our Pasts – II - Class VII Our Pasts - III (Parts – I & II) - Class VIII <p>Current Events (15th July 2021 – 24th July 2021) Map based questions - Region: South Asia 10% Qs based on topics covered in any of the previous tests</p> <p>Mains Self Study Test (10 Questions) - Based on Above Topics</p>
TEST - 3	4 th August 2021 Wednesday	NCERT (Class VIII, IX and X)
		<ol style="list-style-type: none"> Science – Class VIII and IX Democratic Politics – IX Contemporary India – I & II – Class IX & X <p>Current Events (25th July 2021 – 3rd August 2021) Map based questions – Region: West Asia (Middle-east) 10% Qs based on topics covered in any of the previous tests</p> <p>Mains Self Study Test (10 Questions) - Based on Above Topics</p>
TEST - 4	14 th August 2021 Saturday	NCERT (Class IX and X)
		<ol style="list-style-type: none"> Economics - Class IX Understanding Economic Development - Class X Democratic Politics - X Science - Class X <p>Current Events (4th August 2021 – 13th August 2021)</p>

		Map based questions – Region: East and South-east Asia 10-15% Qs based on topics covered in any of the previous tests Mains Self Study Test (10 Questions) - Based on Above Topics
TEST - 5	24th August 2021 Tuesday	NCERT (Class X and XI)
		1. An Introduction to Indian Art - Class XI 2. Fundamentals of Physical Geography Current Events (14 th August 2021 – 23 rd August 2021) Map based questions - Region: Central and Northern Asia 10% Qs based on topics covered in any of the previous tests Mains Self Study Test (10 Questions) - Based on Above Topics
REVISION TEST (Covers all Previous Tests)		
TEST - 6	3rd September 2021 Friday	Test 1- 5 Syllabus Current Events (1 st June 2020 – 20 th September 2020)
TEST - 7	13th September 2021 Monday	NCERT (Class XI)
		1. Chemistry I & II – Class XI - Unit 1 and 6 from Part I; Unit 9, 13, 14 from Part II 2. Biology – Class XI - Chapters 5-22 (under Unit II to V) 3. Physics - Class XI - Chapter 5, 8 (Laws of Motion and Gravitation) 4. Living Craft Traditions of India - Class XI - Chapters 2-10 Current Events (24 th August 2021 – 12 th September 2021) Map based questions - Region: Europe 10% Qs based on topics covered in any of the previous tests Mains Self Study Test (10 Questions) - Based on Above Topics
TEST - 8	23rd September 2021 Thursday	NCERT (Class XI)
		1. India Physical Environment – Class XI 2. Indian Constitution at Work – Class XI 3. Indian Economic Development – Class XI Current Events (13 th September 2021 – 22 nd September 2021) Map based questions - Region: Africa 10% Qs based on topics covered in any of the previous tests Mains Self Study Test (10 Questions) - Based on Above Topics
TEST - 9	3rd October 2021 Sunday	NCERT (Class XII)
		1. Themes in Indian History – I 2. Fundamentals of Human Geography 3. India - People and Economy

		Current events (23 rd September 2021 – 2 nd October 2021) Map based questions – Region: North America 15-20% Qs based on topics covered in any of the previous tests Mains Self Study Test (10 Questions) - Based on Above Topics
TEST - 10	12th October 2021 Tuesday	NCERT (Class XII)
		<ol style="list-style-type: none"> 1. Chemistry - Chapter 16 - Class XII 2. Biology – Class XII – All Chapters 1-16 (Under Units VI to X) 3. Physics - Class XII - Chapter 15 (Communication Satellites) 4. Themes in Indian History - II & III Current Events (3 rd October 2021 – 11 th October 2021) Map based questions – Region: South America 10% Qs based on topics covered in any of the previous tests Mains Self Study Test (10 Questions) - Based on Above Topics
TEST - 11	22nd October 2021 Friday	NCERT (Class XI & XII) + INTERNATIONAL - I (Thematic)
		<ol style="list-style-type: none"> 1. Political Theory – Class XI – Chapters 1-10 2. Contemporary World Politics – Class XII 3. UN Specialized agencies - websites, and that of regional bodies e.g. ASEAN, BIMSTEC, SAARC, BRICS, SCO 4. International NGOs working in India and Indian NGOs - e.g. Greenpeace, ADR, SEWA 5. India Yearbook 2021 - Ch on India and World Current Events (12 th October 2021 – 21 st October 2021) Map based questions - Region: Antarctica & Australia 10% Qs based on topics covered in any of the previous tests Mains Self Study Test (10 Questions) - Based on Above Topics
REVISION TEST (Covers all Previous Tests)		
TEST - 12	2nd November 2021 Tuesday	Test 1- 11 Syllabus Current Events (right from 1 st June 2021 – 1 st November 2021)
TEST - 13	12th November 2021 Friday	STANDARD SOURCES + INTERNATIONAL-2 (Thematic)
		<ol style="list-style-type: none"> 1. LAXMIKANTH – 5th edition - Indian Polity - Chapters 1 to 6 2. Introductory Macroeconomics 3. RAMESH SINGH 10th Edition: Ch 15: External Sector in India 4. International borders of India, related agreements, treaties and issues 5. Ministry of External Affairs website - cover major trade agreements and partnerships of India

		Current Events (2 nd November 2021 – 11 th November 2021) Mains Self Study Test (10 Questions) - Based on Above Topics
TEST - 14	22nd November 2021 Monday	STANDARD BOOKS/SOURCES + TRIBES (Thematic) <ol style="list-style-type: none"> LAXMIKANTH – 5th edition - Indian Polity - Chapters 7 to 14 (focuses on Rights/Duties/DPSPs/Federal system) Indian Society - NCERT XII – All chapters Ministry of Tribal affairs website - Special focus on PVTGs - https://tribal.nic.in/Statistics.aspx Tribes covered in Insights Current affairs compilations 2020 Major tribal (cover state-wise) and racial groups in India (Caucasian, Mongoloid, Australoid, Negroid etc.) RAMESH SINGH 10th edition: Ch 1-5: Introduction; Growth, Development and Happiness; Evolution of the Indian Economy; Economic Planning; Planning in India
		Current Events (12 th November 2021 – 21 st November 2021) Map based questions - Region: Arctic 10% Qs based on topics covered in any of the previous tests Mains Self Study Test (10 Questions) - Based on Above Topics
TEST - 15	2nd December 2021 Thursday	STANDARD SOURCES + AGRICULTURE-1 (Thematic) <ol style="list-style-type: none"> LAXMIKANTH – 5th edition - Indian Polity - Chapters 15 to 23 Goh Cheng Leong-Certificate Physical & Human Geography - Chapters 1 to 4 (from the Ch on 'Earth and the Universe' to 'Weathering, Mass Movement and Groundwater') RAMESH SINGH 10th Edition: Ch 6-9: Economic Reforms; Inflation and Business Cycle; Agriculture and Food Management; Industry and Infrastructure India Yearbook 2021 - Ch 4,15 & 27 on Agriculture; Food, Civil Supplies and Consumer Affairs; Water Resources IFoS (Indian Forest Service) Agriculture Mains Optional Syllabus – Part 1 – See Appendix below Ministry of Agriculture and Farmer's Welfare and other websites – full list of websites in the Appendix below
		Current Events (22 nd November 2021 – 1 st December 2021) 10% Qs based on topics covered in any of the previous tests Mains Self Study Test (10 Questions) - Based on Above Topics
TEST - 16	12th December 2021 Sunday	STANDARD SOURCES + AGRICULTURE-2 (Thematic) <ol style="list-style-type: none"> LAXMIKANTH – 5th edition - Indian Polity - Chapters 24 to 32

		<ol style="list-style-type: none"> Goh Cheng Leong-Certificate Physical & Human Geography - Chapters 5 to 8 (from the Ch on 'Landforms made by Running Water' to 'Limestone and Chalk Landforms') RAMESH SINGH 10th Edition: Ch 10-15: Services Sector; Financial Market; Banking in India; Insurance in India; Security Market in India (avoid over-detailed terminologies and jargon); WTO (and other international) agreements related to Agriculture - See appendix below Agricultural credit: NABARD, Cooperatives, Regional Rural Bank etc - see appendix TN Agricultural Website: http://agritech.tnau.ac.in/ (Past year UPSC Qs asked from here) <p>Current Events (2nd December 2021 – 11th December 2021) 10% Qs based on topics covered in any of the previous tests</p> <p>Mains Self Study Test (10 Questions) - Based on Above Topics</p>
TEST - 17	22nd December 2021 Wednesday	<p align="center">STANDARD SOURCES + AGRICULTURE-3 & ENVIRONMENT-1 (Thematic)</p> <ol style="list-style-type: none"> LAXMIKANTH – 5th edition - Indian Polity - Chapters 33 to 41 Goh Cheng Leong-Certificate Physical & Human Geography - Chapters 9 to 14 (from the Ch on 'Lakes' to 'Climate') RAMESH SINGH 10th Edition: Ch 16-21: International Economic Organizations and India; Tax Structure in India; Public Finance in India; Sustainability and Climate Change; Human Development in India, Burning Socio-economic issues FAO, ICRISAT, IFPRI, IFAD websites - cover initiatives in detail, reports etc. India Yearbook 2021 - Ch 11, 12 on Energy and Environment IFoS (Indian Forest Service) Agriculture Mains Optional Syllabus – Part 2 – See Appendix below <p>Current Events (12th December 2021 – 21st December 2021) 10% Qs based on topics covered in any of the previous tests</p> <p>Mains Self Study Test (10 Questions) - Based on Above Topics</p>
		<p align="center">REVISION TEST (Covers Previous GS Tests 13-17)</p>
TEST - 18	5th January 2022 Wednesday	<p align="center">Test 13-17 Syllabus</p> <p>Current Events (right from 1st June 2021 – 4th January 2022)</p>
TEST - 19	15th January 2022 Saturday	<p align="center">STANDARD SOURCES + ENVIRONMENT-2 (Thematic)</p> <ol style="list-style-type: none"> LAXMIKANTH – 5th edition - Indian Polity - Chapters 42 to 51

		<ol style="list-style-type: none"> 2. Spectrum Modern India 2019 edition (Rajiv Ahir): Ch 3 to 7 (from the Ch on 'Advent of Europeans in India' to 'The Revolt of 1857') 3. Goh Cheng Leong-Certificate Physical & Human Geography - Chapters 15 to 20 (from the Ch on 'Hot Wet Equatorial Climate' to 'Temperate Continental Climate') 4. ICSE Environmental Studies - Class IX (2018 edition – S. Chand Publications) or Shankar Ganesh (related topics) 5. Websites of UNFCCC, UNEP, WWF-India (species and protected areas both) & IUCN (Critical species India) 6. Environmental Treaties - India as a partner- http://ifs.nic.in/Dynamic/book/page8.pdf (list comprehensive, but read more) 7. <i>IFoS</i> (Indian Forest Service) Agriculture Mains Optional Syllabus – Part 3 – See Appendix below <p>Current Events (5th January 2022– 14th January 2022) 10% Qs based on topics covered in any of the previous tests</p> <p>Mains Self Study Test (10 Questions) - Based on Above Topics</p>
TEST - 20	25th January 2022 Tuesday	<p style="text-align: center;">STANDARD SOURCES + ENVIRONMENT-3 (Thematic)</p> <ol style="list-style-type: none"> 1. LAXMIKANTH – 5th edition - Indian Polity - Chapters 52 to 61 2. Spectrum Modern India 2019 edition (Rajiv Ahir): Ch 8 to 13 (from the Ch on 'Socio-religious reform movements' to 'First Phase of Revolutionary Activities 1907-1917') 3. Goh Cheng Leong-Certificate Physical & Human Geography - Chapters 21 to 25 (from the Ch on 'China Type Climate' to 'Arctic Climate') 4. ICSE Environmental Studies - Class X (2018 edition – S. Chand Publications) or Shankar Ganesh (related topics) 5. Ministry of Environment, Forests and Climate Change website - cover comprehensively 6. Major lakes (including those with protected areas) and Ramsar wetland sites in India 7. Protected areas, lakes, sites, species covered in UPSC papers 2011-2020 (Very important) <p>Current Events (15th January 2022 – 24th January 2022) 10% Qs based on topics covered in any of the previous tests</p> <p>Mains Self Study Test (10 Questions) - Based on Above Topics</p>
		TEST - 21

		<ol style="list-style-type: none"> 2. Tamilnadu History Textbook - Class XI - Chapters 1-8 3. CCRT - Art and Culture (Literary Arts - http://www.ccertindia.gov.in/literaryarts.php) 4. CCRT - Art and Culture (Visual Arts - http://www.ccertindia.gov.in/visualarts.php) 5. UNESCO Indian Heritages + National heritages https://www.indiaculture.nic.in/national-list-intangible-cultural-heritage-ich 6. India Yearbook 2021 - Ch on Culture and Tourism 7. Ministry of Culture website <p>Current Events (25th January 2022 – 3rd February 2022) 10% Qs based on topics covered in any of the previous tests</p> <p>Mains Self Study Test (10 Questions) - Based on Above Topics</p>
TEST - 22	14th February 2022 Monday	<p style="text-align: center;">STANDARD SOURCES + CULTURE - 2 (Thematic)</p> <ol style="list-style-type: none"> 1. Spectrum Modern India 2019 edition (Rajiv Ahir): Ch 20 to 25 (from the Ch on 'Debates on the Future Strategy after Civil Disobedience Movement' to 'Independence with Partition') 2. Tamilnadu History Textbook - Class XI - Chapters 9-23 3. CCRT - Art and Culture (Performing Arts - http://www.ccertindia.gov.in/performingart.php) 4. Qs based on previous UPSC questions (Civil Services Prelims) on Culture 2011-2020 5. Insights Prelims Revision Module 2021 - Arts and Culture <p>Current Events (4th February 2022 – 13th February 2022) 10% Qs based on topics covered in any of the previous tests</p> <p>Mains Self Study Test (10 Questions) - Based on Above Topics</p>
TEST - 23	24th February 2022 Thursday	<p style="text-align: center;">STANDARD SOURCES + SOCIAL WELFARE-1 (Thematic)</p> <ol style="list-style-type: none"> 1. Spectrum Modern India 2019 edition (Rajiv Ahir): Ch 26 to 32 (from the Ch on 'Constitutional, Administrative and Judicial Developments' to 'The Movement of the Working Class') + All Appendices 1-8 at the end of the book 2. LAXMIKANTH – 5th edition - Indian Polity - All Appendices 3. India Yearbook 2021 - Ch 10 (Education), 16 (Health & Family Welfare), 17 (Housing & Urban), Ch 20 (Law and Justice), 21 (Labour), 23 (Planning), 24 (Rural Dev.), 28 (Welfare) , 29 (Youth affairs) 4. Insights Revision Modules for Prelims 2021 - Government Schemes and Society 5. Initiatives by UN Specialized Agencies (from their websites) - WHO, UNDP, WB, IMF, ILO, UNESCO, WIPO

		6. Ministries concerned directly with social welfare - list in appendix below 7. Yojana 2021 - Only cover "DO YOU KNOW" section Current Events (14 th February 2022 – 23 rd February 2022) 10% Qs based on topics covered in any of the previous tests Mains Self Study Test (10 Questions) - Based on Above Topics
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REVISION TEST (Covers all Previous Tests)

TEST - 24	7th March 2022 Monday	Test 1-23 Syllabus Current Events (Right from 1 st June 2021 – 6 th March 2022)
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ECONOMICS + SOCIAL WELFARE -2 (Thematic)

TEST - 25	17th March 2022 Thursday	<ol style="list-style-type: none"> 1. Union Budget 2022-23 2. Economic Survey 2021-22 & 2020-21 3. Economic Concepts and Terminologies - Ramesh Singh 7th ed. - Last chapter 4. RBI's website (look for new releases and topics listed on the home page including 'Notifications') + Annual Reports (lot of questions will be asked from this) 5. NITI Aayog website (complete) including all its reports on Labour and general economic environment of India Current Events (7 th March 2022 – 16 th March 2022)
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SCIENCE & TECH - EMERGING TECHNOLOGIES, CONCEPTS & APPLICATIONS (Thematic)

TEST - 26	27th March 2022 Sunday	<ol style="list-style-type: none"> 1. India Yearbook 2021 - Ch 8, 9 & 25 on Science and Tech; Communications and IT and Defence 2. Insights Science and Tech Compilations - Revision Modules 2021 3. NCERT - Bio (Covered in previous tests); Phy (XI-Ch 1,5,8; XII-Ch 15); Chem (Covered in previous tests) 4. Ministry websites - New and Renewable energy; Science & Tech; Earth Sciences 5. Technology Review (https://www.technologyreview.com/) - see topics section - AI, Bio-tech, Computing etc. 6. Insights Current events; Science Daily (https://www.sciencedaily.com/); NASA; Indian Express (Explained) 7. IFoS (Indian Forest Service) Agriculture Mains Optional Syllabus – Part 4 – See Appendix below
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		Current Events (17 th March 2022 – 26 th March 2022)
TEST - 27	3 rd April 2022 Sunday	Complete Syllabus
TEST - 28	9 th April 2022 Saturday	Complete Syllabus
TEST - 29	17 th April 2022 Sunday	<ul style="list-style-type: none"> • Complete Syllabus • India year book 2022 • Current Affairs. <p><u>Current Affairs:</u> (1/6/2021-16/4/2022) from the below sources.</p> <ul style="list-style-type: none"> • INSIGHTSIAS Current Affairs Quiz. • INSIGHTSIAS Current Affairs. • INSIGHTS REVISION THROUGH MCQs
TEST - 30	24 th April 2022 Sunday	<ul style="list-style-type: none"> • Complete Syllabus • Economic Survey 2021-22, Budget 2022-23 • Current Affairs (1/6/2021-23/4/2022) from the below sources. <ul style="list-style-type: none"> • INSIGHTSIAS Current Affairs Quiz. • INSIGHTSIAS Current Affairs. • INSIGHTS REVISION THROUGH MCQs
FULL WEEKLY SYLLABUS TESTS (Mimics UPSC Prelims Exam)		
TEST - 31	1 st May 2022 Sunday	Complete Syllabus
TEST - 32	8 th May 2022 Sunday	Complete Syllabus
TEST - 33	15 th May 2022 Sunday	Complete Syllabus
TEST - 34	22 nd May 2022 Sunday	Complete Syllabus
TEST - 35	29 th May 2022 Sunday	Complete Syllabus

TEST - 36	5th June 2022 Sunday	Complete Syllabus
TEST - 37	12th June 2021 Sunday	Complete Syllabus
TEST - 38	19th June 2022 Sunday	Complete Syllabus

Total Number of Tests: 38

- 12 tests (2 Revision Tests)– based on NCERTs
- 12 tests (2 Revision Tests)– based on standard textbooks, **Thematic tests** & references + Economic Survey 2021-22 & Budget 2022-23 + India Year Book 2021 and 2022
- 2 Tests – **Dedicated Thematic** – Social Welfare and Science/Technology
- 12 weekly full-length tests covering comprehensive syllabus
- Suitable for both Freshers and Veterans (*almost all full length tests on Sundays*)
- Once joined, it is advisable that you take the tests on time to ensure you cover all the syllabus.
- INSTA Preparatory classes will be given to all subscribers.

Medium: English

Mode: Online & Offline

Inclusions: INSTA Preparatory Classes (Pre-loaded)

Discussion Video for each test

10 Mains Questions with Synopsis

INSTA 30 Current Affairs and INSTA Value-added Material (Soft Copy)

Our INSTA 75 days Revision Plan 2022, to be released later in the Month of March 2022 (tentatively) exclusively for prelims preparation, will be aligned to Textbook based Prelims Test series 2022 and Subject-wise prelims test series 2022.

3. INSTA Preparatory Class Schedule

Topic (Recorded)			Overview
Class 1	Pre-loaded	Strategy for UPSC CSE 2022	You will get a great insight on the UPSC Journey, what should be the overall strategy, what would help in becoming toppers, how to make a customised plan for each individual and how to evaluate the plan and stick to it.
Class 2	Pre-loaded	How to read books for INSIGHTS Prelims Tests?	Considering the vast syllabus and also stack of study materials available, it is very important to choose the right books and also read them the right way. In this class, you will get to know how to study extensively as well as selectively from different sources available.
Class 3	Pre-loaded	How to read Current Affairs?	UPSC has time and again shown the width & depth of current affairs that it can go into. With the growing importance of Current Affairs, it is equally important to study current affairs with UPSC Exam perspective. This class throws a light on how to link current affairs to the Prelims, to GS answers as well as in Optional Subject.
Class 4	Pre-loaded	How to make notes for Prelims 2022?	Effective notes making strategy is utmost important. An aspirant should learn to make customised notes for quick revision. One should not waste most of the time in making notes, at the same time should not ignore making important notes for quick revision.
Class 5	Pre-loaded	Strategy Class and Tricks to score high in Insights Prelims Tests as well as in Prelims 2022	This class will deal with different techniques and tricks through which you can commit less mistakes, increase accuracy and score high in prelims.

Note: We may add more classes if need be. These classes are in addition to the discussion classes for each test. Video of the classes will be made available in the portal.

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4. NOTES

1. All tests will have 100 questions.
2. Apart from the sources mentioned above, we will also be setting questions from the REFERENCE Books listed below. They are not compulsory to read, but if you have time and interest, you can go through them. These sources are used by UPSC to frame some difficult questions each year.
3. Also, see the Appendix to cover areas mentioned in the Thematic syllabus in the tests.
4. You can also use Old NCERT Modern History-Bipin Chandra OR Spectrum-Modern India to cover Modern History portions. We'll often supplement questions from these sources when we cover Modern History from NCERTs or TN Textbooks.
5. In place of ICSE Environmental Studies, you can also use standard coaching material like Shankar IAS Environment.

ALTERNATIVE SOURCES

1) History

1. Sumit Sarkar - Modern India
2. Tamilnadu Board - 12th Standard History Textbook
3. Spectrum – Modern India

2) Art & Culture

1. Indian Culture – Spectrum
2. Indian culture – NIOS material

3) Geography

1. ICSE 8th-10th Geography
2. Atlas - Oxford Student Atlas (NOT School Atlas)

4) Polity

1. Parliament Website - Lok Sabha, Rajya Sabha, Speaker
2. Cabinet Secretariat and other official websites
3. PRS Bill Track

5) Biology, Ecology and Environment

1. Shankar IAS Environment Material
2. Old NCERT - Biology - 12th Std

6) Dynamic Sources

1. Yojana
2. Websites of ISRO & NASA
3. <http://www.downtoearth.org.in/>

APPENDIX

Test 15 and 16: Websites to cover for Agriculture Thematic

Ministry of Agriculture & Farmer's Welfare

Ministry of Food Processing Industries Ministry of Consumer Affairs, Food and Public Distribution

Ministry of Fisheries, Animal Husbandry and Dairying

WTO agreements and agricultural credit can be covered from:

A. Ramesh Singh (Ch on Agriculture and Food)

B. WTO's website C. Websites of NABARD and RBI's website

(https://www.rbi.org.in/scripts/bs_viewcontent.aspx?Id=2240)

IFoS Agriculture and S&T Syllabus:

PART -1: Food production and consumption trends in India. National and international food policies. Production, procurement, distribution and processing constraints. Relation of food production to national dietary pattern, major deficiencies of calorie and protein.

PART-2: Application of principles of plant breeding to the improvement of major field crops. Backcross method of breeding, breeding for disease and pest resistance, role of inter-specific and inter-generic hybridization. Role of biotechnology in plant breeding. Improved varieties, hybrids, composites of various crop plants.

PART-3: Seed technology, its importance. Different kinds of seeds and their seed production and processing techniques. Role of public and private sectors in seed production, processing and marketing in India. Storage pests and diseases of cereals and pulses, and their control.

Enzymes and plant pigments; photosynthesis-modern concepts and factors affecting the process, aerobic and non-aerobic respiration; C, C and CAM mechanisms. Carbohydrate, protein and fat metabolism. Growth and development; photo-periodism and vernalization. Auxins, hormones, and other plant regulators and their mechanism of action and importance in agriculture. Physiology of seed development and germination; dormancy.

PART-4:

Cell Theory, cell structure, cell organelles and their function, cell division, nucleic acids-structure and function, gene structure and function. Laws of heredity, their significance in plant breeding. Chromosome structure, chromosomal aberrations, linkage and cross-over, and their significance in recombination breeding. Polyploidy, euploid and an euploids. Mutation-micro and macro-and their role in crop improvement. Variation, components of variation. Heritability, sterility and incompatibility, classification and their application in crop improvement. Cytoplasmic inheritance, sex-linked, sex influenced and sex-limited characters.

Brief on covering protected areas:

There is no single source to cover protected areas other than Wikipedia based reading, so use that judiciously.

We will also be covering national parks, biospheres reserves, lakes etc. asked in UPSC previous year papers.

This is very crucial because they tell you briefly what sites are important to cover.

ENVIS portal is a government owned portal. It does not discuss areas, sites or species in detail, but gives a general overview. Again, Wiki is your only recourse here.

Test 23 (websites to cover)

Ministry of Development of North-eastern region

MHRD;

Ministry of Minority Affairs;

Social Justice and Empowerment;

Women and Child Development

Ministry of Panchayati Raj;

Ministry of Rural Development

Ministry of Labour and Employment;

Law and Justice;

Ministry MSME;

Skill Development and Entrepreneurship

Ministry of Tribal Affairs (also covered in another test on Tribes in India);

Ministry of Statistics and Programme Implementation.

5. SUBSCRIPTION DETAILS

[CLICK HERE](#) Subscribe to Textbook Based Test Series 2022

Fee: Rs. 6000/- (for GS Textbook only)

Rs. 8500/- (for both GS Textbook and CSAT)

Early Bird offer: 15% till 30th June 2021

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