IAS WITH DR RAVI
AIM. PREPARE. ACHIEVE

Day 19 | Source index

APPSC Group 1 · 1,000 Topics in 100 Days
Topics 181–190 · IAS with Dr Ravi

181 · Khaljis: Alauddin's conquests, market reforms and revenue reforms

S1

NCERT, *Our Pasts II* (Class VII history), Chapter 3, "Delhi: 12th to 15th Century" (current edition). https://ncert.nic.in/textbook/pdf/gess103.pdf

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S2

Atomic Energy Education Society (AEES), Class VII History, Lesson 3, Module 3, "Delhi Sultans" (handout, e-content of 6 April 2020, following the earlier edition of the NCERT chapter "The Delhi Sultans"). https://www.aees.gov.in/htmldocs/downloads/e-content_06_04_20/VII_HIS_L03_M03_DELHI_SULTANS_HANDOUT.pdf

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S3

National Institute of Open Schooling (NIOS), Senior Secondary History (315), Lesson 9, "Establishment and Expansion of the Delhi Sultanate". https://www.nios.ac.in/media/documents/SrSec315NEW/315_History_Eng/315_History_Eng_Lesson9.pdf

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S4

NIOS, Senior Secondary History (315), Lesson 11, "Emergence of Regional States in India: Twelfth to Eighteenth Century" (glossary). https://www.nios.ac.in/media/documents/SrSec315NEW/315_History_Eng/315_History_Eng_Lesson11.pdf

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S5

Encyclopaedia Britannica, "Ala al-Din Khalji" (summary page). https://www.britannica.com/biography/Ala-al-Din-Khalji

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S6

Encyclopaedia Britannica, "India", section "The Khaljis". https://www.britannica.com/place/India/The-Khaljis

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S7

Wikipedia, "Market reforms of Alauddin Khalji" (citing Banarsi Prasad Saksena in *A Comprehensive History of India*, Vol. 5, 1992; Satish Chandra, *History of Medieval India*, 2007; Peter Jackson, *The Delhi Sultanate*, 2003; Peter Stearns, 1988; Abraham Eraly, 2015). https://en.wikipedia.org/wiki/Market_reforms_of_Alauddin_Khalji

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S8

Wikipedia, "Alauddin Khalji" (citing Kishori Saran Lal, *History of the Khaljis*, 1950; Saksena 1992; Jackson 2003; Chandra 2007). https://en.wikipedia.org/wiki/Alauddin_Khalji

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S9

Wikipedia, "Revenue reforms of Alauddin Khalji" (citing Saksena 1992; Lal 1950; Jackson 2003; Chandra 2007). https://en.wikipedia.org/wiki/Revenue_reforms_of_Alauddin_Khalji

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S10

Wikipedia, "Malik Kafur" (citing Saksena 1992; Lal 1950; Simon Digby, 1990; Jackson 2003). https://en.wikipedia.org/wiki/Malik_Kafur

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S11

Wikipedia, "Khalji dynasty" (citing *The New Cambridge History of Islam*, 2010; Satish Chandra, 2007; André Wink, 2020; Irfan Habib, 1982; Kaushik Roy, 2015). https://en.wikipedia.org/wiki/Khalji_dynasty

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S12

Wikipedia, "Amir Khusrau". https://en.wikipedia.org/wiki/Amir_Khusrau

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S13

Wikipedia, "Abdul Malik Isami" (citing Saiyid Abdul Qadir Husaini, 1960). https://en.wikipedia.org/wiki/Abdul_Malik_Isami

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S14

University of Calicut, School of Distance Education, *Selected Themes in Economic History of Medieval India* (M.A. History, third semester, prepared by Hasanath K P). https://sde.uoc.ac.in/sites/default/files/sde_videos/III%20PG%20His-Selected%20Themes%20in%20Economic%20History%20of%20Medieval%20India%20%281%29.pdf

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S15

Drishti IAS, "The Delhi Sultanate-II: Khilji Dynasty (1290-1320)" (study notes, 5 July 2023). https://www.drishtiias.com/to-the-points/paper1/the-delhi-sultanate-ii-1290-1320-khilji-dynasty

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S16

Self Study History, "Evaluate Alauddin Khilji's military and market reforms" (study compilation, 19 April 2016). https://selfstudyhistory.com/2016/04/19/q-evaluate-alauddin-khiljis-military-and-market-reforms-bpsc-history-optional-2012-40-marks-or-q-write-a-note-on-alauddin-khaljis-market-control-policy-bpsc-history-optional-19/

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S17

Rau's IAS Compass, "Khilji Dynasty". https://compass.rauias.com/medieval-history/khilji-dynasty

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S18

NCERT, *Our Pasts II* (Class VII history), Chapter 3, "The Delhi Sultans" (earlier edition, 2020-21 reprint), pp. 31 to 41, school mirror of the NCERT chapter. https://ssgopalganj.in/online/Class%20VII/S%20Sc/Our%20Past%20II/ch3.pdf

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

182 · Comptroller and Auditor General of India

S1

Government of India, *The Constitution of India*, Part V, "The Union", Chapter V, "Comptroller and Auditor-General of India" (copy hosted by the Ministry of External Affairs; an older print). https://www.mea.gov.in/Images/pdf1/Part5.pdf

Used for: Article 148(1) to (6) (warrant under his hand and seal; removal "in like manner and on the like grounds as a Judge of the Supreme Court"; oath in the form in the Third Schedule; salary by law and the proviso; no further office under the Government of India or of any State; IA&AD rules after consultation; administrative expenses charged on the Consolidated Fund of India); Article 149 ("in relation to the accounts of the Union and of the States and of any other authority or body"; powers held before the Constitution by India's Auditor-General); Article 150 and its footnotes (substituted by the 42nd Amendment, w.e.f. 1-4-1977; "on the advice of" for "after consultation with" by the 44th Amendment, w.e.f. 20-6-1979); Article 151(1) and (2) (the words "or Rajpramukh" omitted in 1956)

S2

Government of India, *The Constitution of India*, Part XII, "Finance, Property, Contracts and Suits" (copy hosted by the Ministry of External Affairs). https://www.mea.gov.in/Images/pdf1/Part12.pdf

Used for: Article 279(1): "net proceeds" means the proceeds reduced by the cost of collection; net proceeds in or attributable to any area ascertained and certified by the CAG, "whose certificate shall be final"

S3

The Comptroller and Auditor-General's (Duties, Powers and Conditions of Service) Act, 1971 (No. 56 of 1971), as amended, India Code. https://www.indiacode.nic.in/bitstream/123456789/1569/1/aA1971-56.pdf

Used for: Date (15 December 1971); salary equal to a Judge of the Supreme Court (section 3); term of six years, vacating at 65, resignation by writing to the President (section 4); compiling of Union and State accounts and the proviso of Act 58 of 1976, w.e.f. 1-3-1976, letting the President relieve him of the Union's accounts, and the Governor, with the President's prior approval, of a State's (section 10); audit of expenditure from the Consolidated Funds, Contingency Funds and Public Accounts, and trading and other subsidiary accounts; bodies substantially financed, Rs 25 lakh and 75

per cent, raised from Rs 5 lakh by Act 2 of 1984, w.e.f. 16-3-1984 (section 14); receipts (section 16); stores and stock (section 17); powers of inspection (section 18); government companies and corporations (section 19); audit on request (section 20); regulations (section 23)

S4

Comptroller and Auditor General of India, "CAG of India" (profile of the present CAG). https://cag.gov.in/en/page-cag-of-india

Used for: K. Sanjay Murthy sworn in as CAG on 21 November 2024 and assumed office the same day; IAS officer of the 1989 batch; Secretary, Department of Higher Education, 1 October 2021 to 20 November 2024

S5

Comptroller and Auditor General of India, "Former CAG". https://cag.gov.in/en/former-cag

Used for: V. Narhari Rao, 1948 to 1954; Girish Chandra Murmu, 2020 to 2024

S6

Comptroller and Auditor General of India, National Academy of Audit and Accounts, "History of IA&AD". https://cag.gov.in/naaa/en/history/historyofiaandad

Used for: First Auditor General appointed in 1860; statutory recognition by the Government of India Act, 1919; designation as Auditor General of India and conditions of service under the Government of India Act, 1935; V. Narahari Rao as the first Auditor General of India after independence; the 1971 Act; bifurcation of State offices into audit and accounts offices in 1984

S7

Comptroller and Auditor General of India, home page. https://cag.gov.in/en

Used for: Name of the present CAG; audit reports filed under Compliance, Financial and Performance

S8

Comptroller and Auditor General of India, *Regulations on Audit and Accounts*, 2007 (copy on the CAG's site). https://cag.gov.in/uploads/media/Regulation2007-20200803123815.pdf

Used for: Financial audit (regulation 37); compliance audit (regulation 43); "propriety and prudence" (regulation 44(4)); audit of expenditure and the "embedded, but essential, requirement" of compliance with "the broad and general principles of financial propriety", and unnecessary, excessive, extravagant or wasteful expenditure (regulation 49); performance audit (regulation 68); local bodies: Articles 243J and 243Z, the local fund auditor, audit under section 14, "technical guidance and support" entrusted under section 20(1) (regulations 149 to 152)

S9

Comptroller and Auditor General of India, welcome address at the inaugural function of the 27th Accountants General Conference, 27 October 2014 (CAG journal, January 2015). https://www.cag.gov.in/uploads/journal/january-2015/cag_speech.html

Used for: "CAG has been described as a friend, philosopher and guide to the Public Accounts Committee."

S10

Comptroller and Auditor General of India, "Legislation Committees". https://www.cag.gov.in/en/pages/single/7218

Used for: PAC a standing committee of Parliament; 22 members, 15 elected by the Lok Sabha and 7 of the Rajya Sabha associated; chairman appointed by the Speaker; scrutiny of the Appropriation Accounts and the CAG's reports on them

S11

Constituent Assembly Debates, Volume 8, 30 May 1949 (debate on draft Article 124), Constitution of India website. https://www.constitutionofindia.net/debates/30-may-1949/

Used for: Ambedkar's words: "Personally speaking for myself, I am of opinion that this dignitary or officer is probably the most important officer in the Constitution of India. He is the one man who is going to see that the expenses voted by Parliament are not exceeded, or varied from what has been laid down by Parliament in what is called the Appropriation Act."

S12

President of India, Pranab Mukherjee, speech on the 40th anniversary of the Indian Civil Accounts Service, New Delhi, 1 March 2016. https://www.presidentofindia.gov.in/sites/default/files/sp010316.pdf

Used for: "a major institutional reform in public financial management undertaken in 1976, that of separation of audit from accounts"; the Indian Civil Accounts Service and the Controller General of Accounts

S13

Earlier topics of this programme, read for consistency: Topic 162, "Money Bills, Finance Bills and the Budget in Parliament"; Topic 83, "State Public Service Commission and the APPSC"; Topic 112, "Supreme Court and High Courts"

Used for: Topic 162: CAG appointed by the President, removable like a Supreme Court judge, reports laid before each House, PAC examines his findings, CAG's salary charged under Article 112(3)(e), charged expenditure not voted but open to discussion. Topic 83: a State Commission's expenses charged on the State's Consolidated Fund. Topic 112: removal of a Supreme Court judge by the President's order after an address by each House with the special majority, on proved misbehaviour or incapacity (Article 124(4))

S14

President of India, Press Communique, 21 November 2024. https://presidentofindia.nic.in/press_releases/press-communique-24

Used for: K. Sanjay Murthy sworn in as Comptroller and Auditor General of India on 21 November 2024, taking the oath before the President at Rashtrapati Bhavan

S15

Lok Sabha Secretariat, *Financial Committees* (2021-22): *A Review*, September 2022. https://eparlib.sansad.in/bitstream/123456789/995078/1/Financial_Committee_review_2021-22_english.pdf

Used for: Public Accounts Committee of 22 members, fifteen from the Lok Sabha and seven from the Rajya Sabha; Chairperson appointed by the Speaker; examination of the Appropriation Accounts and the reports of the CAG

S16

The Departmentalisation of Union Accounts (Transfer of Personnel) Act, 1976 (No. 59 of 1976, dated 8 April 1976), India Code record https://www.indiacode.nic.in/handle/123456789/1483 (text read in the copy at https://tilakmarg.com/acts/departmentalisation-of-union-accounts-transfer-of-personnel-act-1976/)

Used for: Transfer of officers of the Indian Audit and Accounts Department to the Ministries and Departments of the Central Government for compiling their accounts; deemed in force from 1 March 1976

183 · President: election, qualifications and impeachment

S1

Government of India, *The Constitution of India*, Part V, "The Union" (text with footnotes, copy hosted by the Ministry of External Affairs). https://www.mea.gov.in/Images/pdf1/Part5.pdf

Used for: Text of Articles 52, 53, 54 and its Explanation (footnote: inserted by the Constitution (Seventieth Amendment) Act, 1992, s. 2, with effect from 1 June 1995), 55 (uniformity and parity; the MLA and MP formulas; "not less than five hundred"; "fractions exceeding one-half being counted as one"; proportional representation by the single transferable vote; secret ballot; the Explanation and proviso on the 1971 census and the census after 2026; Explanation substituted by the 42nd Amendment Act, 1976, with effect from 3 January 1977), 56, 57, 58 with its Explanation, 59, 60 (words of the oath), 61, 62, 65, 66 (footnote on the 11th Amendment Act, 1961, s. 2), 70 and 71 (footnotes: substituted by the 39th Amendment Act, 1975, and by the 44th Amendment Act, 1978, with effect from 20 June 1979)

S2

Election Commission of India, Press Note No. ECI/PN/56/2022, "Election to the Office of President of India, 2022", 9 June 2022 (copy hosted by the Chief Electoral Officer, Manipur). https://www.ceomanipur.nic.in/Documents/PressNote/presidential Election 2022/PN_56_09062022.pdf

Used for: Term of Ram Nath Kovind ending on 24 July 2022; schedule (notification 15 June, poll 18 July, counting 21 July 2022); electoral college including Delhi and Puducherry; nominated members and members of Legislative Councils not electors; totals 5,43,231, 5,43,200 and 10,86,431; Secretary General of the Rajya Sabha as Returning Officer; 50 proposers, 50 seconders, deposit of Rs 15,000

S3

Election Commission of India, *Leap of Faith*, Volume 2 (second edition, e-book), page 218. https://www.eci.gov.in/EBooks/Leap_of_faith_Second_Edition/files/basic-html/page218.html

Used for: Value of votes in 2022: Andhra Pradesh (175 seats, 1971 population 2,78,00,586, value 159, total 27,825); Telangana (119 seats, 1,57,02,122, value 132, total 15,708); 4,033 MLAs; total 5,43,231; 776 MPs, value 700, total 5,43,200; 4,809 electors; total 10,86,431

S4

Election Commission of India, *Leap of Faith*, Volume 2 (second edition, e-book), page 220. https://www.eci.gov.in/EBooks/Leap_of_faith_Second_Edition/files/basic-html/page220.html

Used for: The 2022 election: announcement on 9 June 2022; candidates Droupadi Murmu and Yashwant Sinha; 6,76,803 and 3,80,177; counting on 21 July 2022; oath on 25 July 2022 as the Fifteenth President; first person from a Scheduled Tribe and second woman in the office

S5

The Presidential and Vice-Presidential Elections Act, 1952 (Act 31 of 1952), text as amended up to Act 35 of 1997 (copy hosted by the High Court of Tripura). https://www.thc.nic.in/Central Governmental Acts/Presidential and Vice-Presidential Elections Act, 1952..pdf

Used for: Section 3 (Returning Officer), section 4 (notification), section 5B (50 proposers and 50 seconders), section 5C (Rs 15,000)

S6

President's Secretariat, "Former Presidents", and the site header naming the President. https://presidentofindia.nic.in/former-presidents

Used for: Droupadi Murmu as the President of India (page opened on 18 October 2026)

S7

Wikipedia, "List of presidents of India" (citing presidentofindia.gov.in and the Ministry of Law and Justice text of the Constitution). https://en.wikipedia.org/wiki/List_of_presidents_of_India

Used for: Dates of office: Rajendra Prasad 26 January 1950 to 13 May 1962, the only President with two terms; Zakir Husain died 3 May 1969; V.V. Giri acting 3 May to 20 July 1969; M. Hidayatullah acting 20 July to 24 August 1969; Fakhruddin Ali Ahmed died 11 February 1977; B.D. Jatti acting to 25 July 1977

S8

Wikipedia, "President of India" (citing P.M. Bakshi, *The Constitution of India*, Universal Law Publishing, 2010, p. 96, for the 1969 Act). https://en.wikipedia.org/wiki/President_of_India

Used for: President (Discharge of Functions) Act, 1969: the Chief Justice of India, or in his absence the senior-most Judge of the Supreme Court available; V.V. Giri resigned to contest and Chief Justice Hidayatullah acted in 1969; no President has been impeached

S9

Wikipedia, "Eleventh Amendment of the Constitution of India" (citing Lok Sabha Secretariat, *Texts of the Constitution Amendment Acts*, pp. 417-418, and R.C. Bhardwaj (ed.), *Constitution Amendment in India*, 6th edition, 1995). https://en.wikipedia.org/wiki/Eleventh_Amendment_of_the_Constitution_of_India

Used for: Assent and commencement on 19 December 1961; new clause in Article 71 on vacancies in the electoral college; the change in Article 66 from a joint meeting to an electoral college; the reason given in the Statement of Objects and Reasons

S10

Centre for Law and Policy Research, Constitution of India website, "Article 61: Procedure for impeachment of the President". https://www.constitutionofindia.net/articles/article-61-procedure-for-impeachment-of-the-president/

Used for: Text of Article 61

S11

Khaleej Times (ANI), "India: Droupadi Murmu takes oath as 15th President", 25 July 2022. https://www.khaleejtimes.com/world/asia/india-droupadi-murmu-takes-oath-as-15th-president

Used for: Oath on 25 July 2022 in the Central Hall of Parliament, administered by Chief Justice of India N.V. Ramana; value 6,76,803 against 3,80,177; poll on 18 July

S12

Earlier topics of this programme, read for consistency: Topic 4, "Governor" (official text of Part VI, https://www.mea.gov.in/Images/pdf1/Part6.pdf); Topic 54, "Lok Sabha: composition, term and Speaker"; Topic 82, "Rajya Sabha: composition, Chairman and special powers" (official text of Part V, https://www.mea.gov.in/Images/pdf1/Part5.pdf)

Used for: Topic 4: the Governor appointed by warrant under the President's hand and seal (Article 155), during the pleasure of the President, and not impeached. Topic 54: Lok Sabha seats on the 1971 census; no nominated members since January 2020. Topic 82: 12 nominated members of the Rajya Sabha (Article 80(1)); removal of the Vice-President by a resolution of the Rajya Sabha agreed to by the Lok Sabha

S13

Government of India, *The Constitution of India*, Part V (same MEA copy as S1), footnotes. https://www.mea.gov.in/Images/pdf1/Part5.pdf

Used for: Proviso to the Explanation to Article 55: "2026" substituted for "2000" by the Constitution (Eighty-fourth Amendment) Act, 2001, s. 2; Article 66(1): words substituted by the Constitution (Eleventh Amendment) Act, 1961, s. 2, for "members of both Houses of Parliament assembled at a joint meeting"; Article 62(2): full term "subject to the provisions of article 56"

S14

The Constitution (Eleventh Amendment) Act, 1961, text with the Statement of Objects and Reasons (copy of the Government of India text hosted by constitution.org). https://constitution.org/1-Constitution/cons/india/tamnd11.htm

Used for: Date of the Act, 19 December 1961; section 2 (Article 66: electoral college of the members of both Houses); section 3 (new clause in Article 71: election not to be called in question on the ground of any vacancy in the electoral college); reason: "the elections to the two Houses of Parliament may not be completed" before the election

S15

India Code, "The Presidential and Vice-Presidential Elections Act, 1952" (Legislative Department, Ministry of Law and Justice). https://indiacode.nic.in/handle/123456789/2167?locale=en

Used for: Act 31 of 1952, enacted and in force from 14 March 1952 (record page; the section text was read in S5)

S16

The News Minute, "Droupadi Murmu takes oath as 15th President of India", 25 July 2022. https://www.thenewsminute.com/news/droupadi-murmu-takes-oath-15th-president-india-166176

Used for: Oath administered by Chief Justice of India N.V. Ramana in the Central Hall of Parliament on 25 July 2022 (second report, with S11)

184 · Basic characteristics of the Indian economy as a developing economy

S1

NCERT, *Understanding Economic Development* (Class X), Chapter 1, "Development", reprint 2026-27. https://ncert.nic.in/textbook/pdf/jess201.pdf

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S2

NCERT, *Understanding Economic Development* (Class X), Chapter 2, "Sectors of the Indian Economy", copy on IIT Kanpur's SATHEE portal. https://sathee.iitk.ac.in/ncert-books/class-10/social-science/understanding-economic-development/chapter-02-sectors-of-the-indian-economy

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S3

NCERT, *Indian Economic Development* (Class XI), Chapter 1, "Indian Economy on the Eve of Independence", SATHEE copy. https://sathee.iitk.ac.in/ncert-books/class-11/economics/indian-economic-development/chapter-01-indian-economy-on-the-eve-of-independence

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S4

NCERT, *Indian Economic Development* (Class XI), Chapter 4, "Human Capital Formation in India", SATHEE copy. https://sathee.iitk.ac.in/ncert-books/class-11/economics/indian-economic-development/chapter-04-human-capital-formation-in-india

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S5

MoSPI, Press Note "Provisional Estimates of Annual Gross Domestic Product for 2025-26 and Quarterly Estimates of Gross Domestic Product for the Fourth Quarter (January-March) of 2025-26", 5 June 2026 (Statements 1, 2 and 4). https://static.pib.gov.in/WriteReadData/specificdocs/documents/2026/jun/doc202665884801.pdf

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S7

Press Information Bureau (Ministry of Statistics and Programme Implementation), "Periodic Labour Force Survey (PLFS) Annual Report, 2025 [January, 2025 - December, 2025]", 27 March 2026. https://www.pib.gov.in/PressReleasePage.aspx?PRID=2246009&lang=1&reg=3

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S8

Press Information Bureau (NITI Aayog), "24.82 crore Indians escape Multidimensional Poverty in last 9 years", 15 January 2024. https://www.pib.gov.in/PressReleasePage.aspx?PRID=1996271

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S9

UNDP India, press release "India's human development continues to make progress, ranks 130 out of 193 countries", 6 May 2025. https://www.undp.org/node/521916

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S11

World Bank Group, "FY27 Updated Country Income Classification for Analytical Purposes". https://documents1.worldbank.org/curated/en/099063026190549947/pdf/BOSIB-8ff63426-3c40-412d-bad2-cc20a4ebea81.pdf

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S12

World Bank, Indicators API, country record for India. https://api.worldbank.org/v2/country/IND?format=json

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

185 · Green Revolution and its effects

S1

NCERT, *Contemporary India II* (Class X Geography), Chapter 4, "Agriculture", read on the IIT Kanpur SATHEE portal. https://sathee.iitk.ac.in/ncert-books/class-10/social-science/contemporary-india-2/chapter-04-agriculture

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S2

Planning Commission, *Fourth Five Year Plan* 1969-74, Chapter 7, "Agriculture" (copy on the TNAU Agritech Portal). https://agritech.tnau.ac.in/hrd/pdf/fiveyrsplans/4planch7.htm

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S3

Encyclopaedia Britannica, "Green Revolution". https://www.britannica.com/event/green-revolution

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S4

Encyclopaedia Britannica, "M.S. Swaminathan". https://www.britannica.com/biography/M-S-Swaminathan

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S5

The Nobel Prize, "Norman Borlaug: Facts" (The Nobel Peace Prize 1970). https://www.nobelprize.org/prizes/peace/1970/borlaug/facts/

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S6

Wikipedia, "Green Revolution in India" (citing Swarup Dutta, "Green Revolution Revisited", *Social Change*, 2012; Vandana Shiva, *The Violence of the Green Revolution*, 1991). https://en.wikipedia.org/wiki/Green_Revolution_in_India

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S7

Wikipedia, "M. S. Swaminathan" (citing Nicholas Polunin, *World Who Is Who and Does What in Environment and Conservation*, Routledge, 2013, for the IARI and IRRI years; Biotech Express, 2016, for the ICAR appointment; Quinn, 2015, and Gopalkrishnan, 2002, for the Evergreen Revolution). https://en.wikipedia.org/wiki/M._S._Swaminathan

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S8

Wikipedia, "C. Subramaniam" (citing The Hindu, 8 November 2000; Frontline, 20 March 1998; Rediff, 18 February 1998; The New York Times, 10 November 2000). https://en.wikipedia.org/wiki/C._Subramaniam

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S9

Wikipedia, "IR8" (citing IRRI, *Rice Today*, "The brains and brawn behind IR8"; BBC News, "IR8: The miracle rice which saved millions of lives", 2016). https://en.wikipedia.org/wiki/IR8

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S10

Wikipedia, "Food for Peace" (citing Swanson, Library of Congress, 2003; history.state.gov; Indian Express). https://en.wikipedia.org/wiki/Food_for_Peace

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S11

Government of India, *Economic Survey* 2006-07, Table 1.14, "Yield per Hectare of Major Crops" (source: Directorate of Economics and Statistics, Department of Agriculture and Cooperation). https://www.indiabudget.gov.in/budget_archive/es2006-07/chapt2007/tab114.pdf

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S13

Ministry of Agriculture and Farmers Welfare, Department of Agriculture and Farmers Welfare, "Third Advance Estimate of Production of Food Grains for the year 2025-26" (time series, as on 27 May 2026). https://desagri.gov.in/wp-content/uploads/2026/06/Time-Series-3rd-AE-2025-26-English.pdf

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S14

NCERT, *Indian Economic Development* (Class XI Economics), Chapter 2, "Indian Economy 1950-1990", section 2.3, "The Green Revolution" (file keec102.pdf, pages marked 2020-21), copy on the Internet Archive. https://archive.org/details/ncert-keec1

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S15

Indian Institute of Technology Kanpur, convocation profile, "Prof. M S Swaminathan". https://www.iitk.ac.in/doaa/convocation/data/Profile-Prof.%20M%20S%20Swaminathan.pdf

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S16

Government of India, *The Food Corporations Act*, 1964 (Act No. 37 of 1964), with footnotes giving the dates of notification, copy in the FAO's FAOLEX database. https://faolex.fao.org/docs/pdf/ind80255.pdf

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S17

Wikipedia, "Food Corporation of India". https://en.wikipedia.org/wiki/Food_Corporation_of_India

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

186 · Ports of Andhra Pradesh: major and non-major ports

S1

Ministry of Ports, Shipping and Waterways, "Ports Wing" (page seen 18 October 2026). https://shipmin.gov.in/en/division/ports-wing

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S2

Ministry of Ports, Shipping and Waterways, "Cargo handling status for major ports during March 2026" (advance estimates for 2025-26; provisional for 2024-25). https://shipmin.gov.in/sites/default/files/Cargo%20handled%20at%20Major%20Ports%20March%202026.pdf

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S3

The Indian Ports Act, 2025 (No. 27 of 2025), Gazette of India, assent 21 August 2025, hosted by the Ministry. https://shipmin.gov.in/sites/default/files/FINAL%20ACT%2027%20of%202015%20-%20indian%20Ports%20Act%2C%202025-2.pdf

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S4

Visakhapatnam Port Authority, "Our History". https://vpt.shipping.gov.in/Template/navigateTemplate/gnt/T3VyIEhpc3Rvcnk=

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S6

Wikipedia, "Visakhapatnam Port" (citing the Port's history page and a Vizag Customs document). https://en.wikipedia.org/wiki/Visakhapatnam_Port

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S7

Andhra Pradesh Maritime Board, "Andhra Pradesh Maritime Board securing high hopes on 4 greenfield ports" (undated page, hosted by UIBC). https://www.uibc.org/assets/img/ANDHRA-PRADESH-MARITIME-BOARD-SECURING-HIGH-HOPES-ON-4-GREENFIELD-PORTS.pdf

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S8

Government of Andhra Pradesh, Socio-Economic Survey 2024-25 (Chapter 1). https://s3.ap-south-1.amazonaws.com/apfinance.gov.in/uploads/index-docs/AP_Socio_Economic_Survey_2024_25.pdf

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S9

Topic 164 (Day 17) of this programme, citing the Socio-Economic Survey 2017-18 and the Ministry of Earth Sciences reply of 4 December 2025. https://www.moes.gov.in/sites/default/files/PIB2198800.pdf

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S12

Wikipedia, "Kakinada Port" (citing the State's Department of Ports pages of 2013; The Hindu, 30 October 2022). https://en.wikipedia.org/wiki/Kakinada_Port

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S19

AP7AM, "AP Government Introduces New Maritime Policy", 12 December 2024. https://www.ap7am.com/en/91498/ap-government-introduces-new-maritime-policy

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S21

Ministry of Ports, Shipping and Waterways, notification S.O. 1499(E), 23 March 2026, under section 1(2) of the Indian Ports Act, 2025. https://shipmin.gov.in/sites/default/files/Indian%20Ports%20Act%2C%202025%20shall%20come%20into%20force.pdf

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S22

Visakhapatnam Port Authority, "Our History" (re-read on 18 October 2026; same page as S4). https://vpt.shipping.gov.in/Template/navigateTemplate/gnt/T3VyIEhpc3Rvcnk=

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

187 · Nature and scope of science and technology

S1

NCERT, Physics Part I (Class XI), Chapter 1, "Physical World" (older edition; the chapter is not in the rationalised current book), copy hosted by Drishti IAS. https://www.drishtiias.com/images/pdf/NCERT-Class-11-Physics-Part-1.pdf

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S2

Encyclopaedia Britannica, "science". https://www.britannica.com/science/science

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S3

Encyclopaedia Britannica, "scientific method". https://www.britannica.com/science/scientific-method

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S4

Encyclopaedia Britannica, "criterion of falsifiability". https://www.britannica.com/topic/criterion-of-falsifiability

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S5

Encyclopaedia Britannica, "technology". https://www.britannica.com/technology/technology

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S6

Encyclopaedia Britannica, "research and development". https://www.britannica.com/topic/research-and-development

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S7

Wikipedia, "Basic research" (citing the US National Science Foundation, "What is basic research?", and P. Stephan, How Economics Shapes Science, 2012). https://en.wikipedia.org/wiki/Basic_research

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S9

Wikipedia, "Dual-use technology" (citing the European Commission, "Exporting dual-use goods"). https://en.wikipedia.org/wiki/Dual-use_technology

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S10

Wikipedia, "Scientific temper" (citing D.D. Basu, Introduction to the Constitution of India, 15th edition, 1993, p. 131; the Constitution (Forty-second Amendment) Act, 1976; J. Nehru, The Discovery of India, 1946). https://en.wikipedia.org/wiki/Scientific_temper

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S11

Department of Science and Technology, "Research and Development Statistics at a Glance 2025-26" (NSTMIS, July 2026). https://dst.gov.in/sites/default/files/RD%20STATISTICS%20AT%20A%20GLANCE%202025-26.pdf

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S13

Press Information Bureau, "National Science Day 2025", 26 February 2025. https://static.pib.gov.in/WriteReadData/specificdocs/documents/2025/feb/doc2025227509501.pdf

Used for: Reference for retained topic concepts; see dated primary sources for numerical claims.

S19

PIB, Ministry of Science and Technology, GERD release, 29 July 2026. https://www.pib.gov.in/PressReleaseIframePage.aspx?PRID=2291139&lang=2&reg=48

Used for: GERD Rs 244,767.81 crore and 0.84 per cent of GDP, reference year 2023–24.

188 · Statement and conclusion

S1

IndiaBIX, Logical Reasoning, section on statement and conclusion (directions to the exercise). https://www.indiabix.com/logical-reasoning/statement-and-conclusion/

Used for: The question format (a statement followed by two conclusions numbered I and II); the instruction to take everything in the statement to be true and to decide which conclusion "logically follows beyond a reasonable doubt from the information given in the statement"; the five standard options, including "either I or II follows"

S2

SATHEE portal of IIT Kanpur, railway exams, topic-wise practice, reasoning, page on statement and conclusions. https://rrb.iitk.ac.in/sathee-railway-exams/student-corner/topic-wise-practice/reasoning/statement-conclusions

Used for: A conclusion follows from the statement without additional assumptions, directly or by connecting pieces of the statement; definite conclusions against probable ones; adding external knowledge listed as a common mistake; universal words such as "all", "every" and "none"; one counter-example is enough to reject a universal claim

S3

Modepalli Rukmini, "Statement and Conclusion Questions: Tips, Types and Practice", CCBP blog, 16 March 2026. https://www.ccbp.in/blog/articles/statement-and-conclusion-questions

Used for: The statements are to be taken as true even if they differ from what one knows; base the answer only on the statement, without external knowledge; words such as "always", "never" and "only" in a conclusion are rarely supported; a conclusion must be certain, not just a possibility; moving from "some" to "all" goes beyond the statement

S4

TalentLens (Pearson), example questions, section on inference. https://www.talentlens.com/about/example-questions.html

Used for: The five grades of an inference (true, probably true, insufficient data, probably false, false); a true inference follows beyond a reasonable doubt from the facts given

S5

IAS Exam Portal, online course for CSAT Paper II, Logical Reasoning and Analytical Ability, page "Deriving Conclusion". https://iasexamportal.com/courses/csat-paper-2/logical-reasoning-analytical-ability/deriving-conclusion

Used for: The four-grade form used for conclusions drawn from a passage: definitely true, probably true though not definitely true, data inadequate, definitely false

S6

Wikipedia, "Logical consequence" (citing Beall and Restall, "Logical Consequence", *Stanford Encyclopedia of Philosophy*, Fall 2009 edition). https://en.wikipedia.org/wiki/Logical_consequence

Used for: A valid argument is one in which the premises entail the conclusion; logical consequence is necessary; it is impossible for the premises to be true and the conclusion false

189 · Time and work: efficiency and ratio method

S1

NCERT, *Mathematics*, Class VIII (the textbook used before *Ganita Prakash*), Chapter 11 "Direct and Inverse Proportions", Sections 11.1 and 11.3, Example 9 and "What have we discussed?", read on the SATHEE portal of IIT Kanpur. https://sathee.iitk.ac.in/ncert-books/class-08/mathematics/chapter-11-direct-and-inverse-proportions

Used for: Inverse proportion as a relation of the type xy = k; "For a given job, more the number of workers, less will be the time taken to complete the work"; the worked example of workers and hours for the same wall, behind the rule that, for the same work, time varies inversely

S2

SATHEE portal (IIT Kanpur), bank examinations study material, "Time & Work - Theory & Concepts". https://ibps.iitk.ac.in/sathee-bank-exam/bank-exams/ibps-po/study-materials/memory-based-questions/time-and-work/theory

Used for: Efficiency = total work ÷ days; efficiency inversely proportional to time; times m : n give efficiencies n : m; twice as efficient means half the time, and a worker who takes twice the time is half as efficient; converting men, women and children to one unit (1 man = 2 women = 3 children gives 6 : 3 : 2); wages distributed in the ratio of work done; work done proportional to efficiency × days worked; the method for a worker who leaves or joins midway (work done, work left, time for the rest); an outlet pipe's work counted as negative

S3

SATHEE portal (IIT Kanpur), bank examinations study material, "Time & Work - All Formulas & Shortcuts". https://ibps.iitk.ac.in/sathee-bank-exam/bank-exams/ibps-po/study-materials/quantitative-aptitude/memory-based-questions/time-and-work/formulas

Used for: Efficiency and time inversely proportional; efficiencies 3 : 2 give times 2 : 3; using the time ratio in place of the efficiency ratio listed as a mistake; "A is x per cent more efficient than B" gives efficiency ratio (100 + x) : 100; the LCM steps with efficiency = total work ÷ days; the efficiency ratio of a man to a woman from "M men or W women"; "wage ratio = work ratio = efficiency ratio"; the steps for a worker who leaves midway; an outlet's work counted as negative

S4

SATHEE portal (IIT Kanpur), railway examinations practice material, "Work Efficiency". https://rrb.iitk.ac.in/sathee-railway-exams/student-corner/topic-wise-practice/mathematics/work-efficiency

Used for: Individual efficiencies added when workers work together; an efficiency ratio k gives a time ratio $1/k$; 60 per cent more efficient gives a time ratio $1 : 1.6$; men and women converted to a common unit of efficiency before solving

S5

Wikipedia, "Man-hour" (citing Merriam-Webster and Encarta for the man-hour, and Infoplease for the man-day). https://en.wikipedia.org/wiki/Man-hour

Used for: A man-day as the amount of work an average worker does in one day; such counting is appropriate only for some kinds of work, such as work that can be divided among workers

190 · Removal of judges: constitutional process and dated developments

S1

Government of India, *The Constitution of India*, Part V, "The Union" (text with footnotes, copy hosted by the Ministry of External Affairs). https://www.mea.gov.in/Images/pdf1/Part5.pdf

Used for: Article 61(1) to (4) ("impeached for violation of the Constitution"; fourteen days' notice signed by not less than one-fourth of the total number of members; two-thirds of the total membership; the other House investigates; right to appear; removal from the date the resolution is passed); Article 124(2), proviso (b); Article 124(4) and (5); Article 148(1)

S2

Government of India, *The Constitution of India*, Part VI, "The States" (text with footnotes, copy hosted by the Ministry of External Affairs). https://www.mea.gov.in/Images/pdf1/Part6.pdf

Used for: Article 217(1) and its proviso (b); Article 218

S3

The Judges (Inquiry) Act, 1968, text as published by PRS Legislative Research. https://PRSINDIA.org/files/bills_acts/bills_parliament/2006/bill88_2007100588_The_Judges__Inquiry__Act_1968.pdf

Used for: Section 2(c) (definition of Judge); section 3(1) (admit or refuse); section 3(2)(a) to (c) (composition of the committee) and its two provisos; section 6(1) to (3)

S4

The Judges (Inquiry) Act, 1968, bare Act on the Indian Railways (RPF) website, https://indianrailways.gov.in/railwayboard/uploads/directorate/security/rpf/Files/law/BareActs/judges1968.html ; and the India Code page of the Act, https://www.indiacode.nic.in/handle/123456789/1539

Used for: Act No. 51 of 1968, dated 5 December 1968; 100 members of the Lok Sabha and 50 of the Rajya Sabha (section 3(1)); motion kept pending (section 3(2)); definite charges, written statement of defence, Medical Board (section 3(3) to (8)); procedure and findings on each charge separately, report laid before the House (section 4); powers of a civil court (section 5)

S5

Supreme Court Observer, "Justice Varma's Challenge: Judgement Summary" (judgment of 7 August 2025). https://www.scobserver.in/reports/justice-varmas-challenge-judgement-summary/

Used for: Bench of Justices Dipankar Datta and A.G. Masih; In-House Procedure dated 15 December 1999; serious misconduct warranting removal intimated to the President and the Prime Minister; a fact-finding inquiry, not a parallel removal mechanism; report not binding on Parliament; in-house report dated 3 May 2025

S6

Deccan Herald, "Cash row: Supreme Court dismisses Justice Yashwant Varma's plea against formation of Lok Sabha panel to probe misconduct charges", 16 January 2026. https://www.deccanherald.com/amp/story/india%2Fcash-row-supreme-court-dismisses-justice-yashwant-varmas-plea-against-formation-of-lok-sabha-panel-to-probe-misconduct-charges-3864029

Used for: Judgment of 16 January 2026 (Justices Dipankar Datta and Satish Chandra Sharma); notices in both Houses on the same day; the Deputy Chairman of the Rajya Sabha refused admission and was competent to do so; joint committee only where both Houses admit; Speaker committed no illegality; original members of the committee; dismissal of the earlier plea on 7 August 2025

S9

SCC Online Blog, "Lok Sabha reconstitutes 3-member inquiry committee in Justice Yashwant Varma case", 26 February 2026. https://www.scconline.com/blog/post/2026/02/26/lok-sabha-reconstitutes-3-member-inquiry-committee-in-justice-yashwant-varma-case/

Used for: Reconstitution on 25 February 2026 under section 3(2); members and their posts

S15

V. Venkatesan, "Are there limits to the Speaker's discretion in deciding an impeachment motion?", Supreme Court Observer, 18 December 2025. https://www.scobserver.in/journal/are-there-limits-to-the-speakers-discretion-in-deciding-an-impeachment-motion/amp/

Used for: The argument on the Speaker's discretion; no duty to record reasons; the motion against Chief Justice Dipak Misra refused by M. Venkaiah Naidu in 2018

S16

Wikipedia, "V. Ramaswami" (citing The Leaflet, 22 June 2025, and press reports). https://en.wikipedia.org/wiki/V._Ramaswami

Used for: Motion admitted by Speaker Rabi Ray on 12 March 1991; the Sawant committee; vote of May 1993 (196 for, none against, abstentions of the Congress and its allies); failure for want of the required majority

S17

Wikipedia, "Soumitra Sen" (citing Outlook, 18 August 2011, and The Pioneer, 2 and 5 September 2011). https://en.wikipedia.org/wiki/Soumitra_Sen

Used for: Committee set up in February 2009; charges of misappropriation as a receiver; Rajya Sabha vote of 18 August 2011 ; resignation on 1 September 2011; Lok Sabha proceedings dropped

S18

Wikipedia, "P. D. Dinakaran" (citing press reports of 29 July 2011 and after). https://en.wikipedia.org/wiki/P._D._Dinakaran

Used for: Motion admitted in December 2009; committee of January 2010; resignation as Chief Justice of the Sikkim High Court on 29 July 2011; inquiry shelved by the Rajya Sabha Chairman

S19

Earlier topic of this programme, read for consistency: Topic 54, "Lok Sabha: composition, term and Speaker", and Topic 82, "Rajya Sabha: composition, Chairman and special powers" (their sources include https://www.mea.gov.in/Images/pdf1/Part5.pdf)

Used for: Om Birla as Speaker; the English terms "majority of the total membership" and "present and voting"; Article 61 as preferred by either House and investigated by the other

S20

The institute's current affairs file: Insights "Current Affairs 30", January 2026, "Judicial Removal: Tough Law with a Loophole", page 27

Used for: Selection of the item only. The facts in the notes are taken from the Constitution, the Act and the other sources in this table

S21

Lok Sabha Secretariat, *Lok Sabha Debates*, Tenth Series, 10 May 1993 (Digital Library of Parliament). https://eparlib.sansad.in/bitstream/123456789/3405/1/lsd_10_06_10-05-1993new.pdf

Used for: The motion for presenting an address to the President for the removal of Justice V. Ramaswami, taken up in the Lok Sabha in May 1993 (contents of the day)

S22

Supreme Court of India, *Lily Thomas* (*Ms*), *Advocate v*. *Speaker*, *Lok Sabha*, (1993) 4 SCC 234, judgment of 24 August 1993 (R.M. Sahai and N.P. Singh, JJ.). https://future.indiankanoon.org/doc/1867182

Used for: The motion against Justice Ramaswami was not carried; members who abstained could not be counted as supporting it, and the petition was dismissed

S25

The Tribune, "Special coverage" report on the inquiry panel against Justice P.D. Dinakaran, 17 January 2010. https://www.tribuneindia.com/2010/20100117/main5.htm ; with Bar and Bench, "Chief Justice of Sikkim High Court P.D. Dinakaran resigns", https://www.barandbench.com/news/chief-justice-sikkim-high-court-p-d-dinakaran-resigns

Used for: Dinakaran as Chief Justice of the Karnataka High Court when the Rajya Sabha Chairman set up the committee (January 2010); resignation as Chief Justice of the Sikkim High Court on 29 July 2011

- https://www.indiacode.nic.in/bitstream/123456789/1539/2/A1968-51.pdf
- https://api.sci.gov.in/supremecourt/2025/71319/71319_2025_8_1503_67489_Judgement_16-Jan-2026.pdf

- https://www.pib.gov.in/PressReleasePage.aspx?PRID=2262564&lang=2&reg=48
- https://cdnbbsr.s3waas.gov.in/s3ec0490f1f4972d133619a60c30f3559e/uploads/2025/05/2025050586.pdf
- https://sansad.in/uploads/CHAPTER_23_Motions_and_Short_Duration_Discussions_54afb36833.pdf
- https://hcs.gov.in/hcs/node/2055