RRB NTPC 2026 · CBT-1 & CBT-2 · GENERAL AWARENESS

RRB NTPC 2026 General Science & Static GK

3,500 One-Liners with NCERT Class 9–10 Tables

Physics, chemistry and biology to class 10 (CBSE), and Indian history, geography, polity, economy, art and culture, sports, books, days and organisations — the facts the General Awareness section asks most

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CHAPTER 1

Physics I: Units, Motion, Force, Energy and Fluids

The first half of physics: units and measurement, motion and Newton's laws, gravitation, work and energy, pressure, floating and the properties of liquids.

SI base units (NCERT Class 9–11)

Quantity	SI unit	Symbol
Length	metre	m
Mass	kilogram	kg
Time	second	s
Electric current	ampere	A
Temperature	kelvin	K
Amount of substance	mole	mol
Luminous intensity	candela	cd

Units and measurement

1. SI unit of length → **metre**
2. SI unit of mass → **kilogram**
3. SI unit of time → **second**
4. SI unit of electric current → **ampere**
5. SI unit of thermodynamic temperature → **kelvin**
6. SI unit of amount of substance → **mole**
7. SI unit of luminous intensity → **candela**
8. Number of base units in the SI system → **seven**
9. SI unit of force → **newton**
10. SI unit of work and energy → **joule**
11. SI unit of power → **watt**
12. SI unit of pressure → **pascal**
13. SI unit of frequency → **hertz**
14. SI unit of electric charge → **coulomb**
15. SI unit of electric potential difference → **volt**
16. SI unit of electrical resistance → **ohm**
17. SI unit of electrical conductance → **siemens**
18. SI unit of capacitance → **farad**
19. SI unit of magnetic flux → **weber**
20. SI unit of magnetic flux density → **tesla**
21. SI unit of inductance → **henry**
22. SI unit of luminous flux → **lumen**
23. SI unit of illuminance → **lux**
24. SI unit of radioactivity → **becquerel**
25. SI unit of the power of a lens → **dioptre**

26. SI unit of plane angle → **radian**
27. SI unit of solid angle → **steradian**
28. SI unit of momentum → **kilogram metre per second**
29. SI unit of acceleration → **metre per second squared**
30. SI unit of density → **kilogram per cubic metre**
31. SI unit of heat → **joule**
32. SI unit of specific heat capacity → **joule per kilogram per kelvin**
33. SI unit of surface tension → **newton per metre**
34. SI unit of viscosity → **pascal second**
35. One newton is the force that gives 1 kg an acceleration of → **1 m/s^2**
36. 1 kilowatt-hour equals → **3.6 × 10^6 joules**
37. 1 horsepower equals about → **746 watts**
38. Light-year is a unit of → **distance**
39. 1 light-year is about → **9.46 × 10^{15} metres**
40. Astronomical unit (AU) → **mean distance between the Earth and the Sun, about 1.5 × 10^{11} m**
41. 1 parsec is about → **3.26 light-years**
42. 1 nautical mile → **1,852 metres**
43. 1 angstrom → **10^{-10} metre**
44. 1 micrometre (micron) → **10^{-6} metre**
45. 1 nanometre → **10^{-9} metre**
46. 1 fermi (femtometre) → **10^{-15} metre**
47. Unit used for the size of an atomic nucleus → **fermi**
48. Unit of loudness (sound level) → **decibel**
49. 1 calorie is about → **4.18 joules**
50. Normal atmospheric pressure is about → **1.013 × 10^5 pascals**
51. 1 bar → **10^5 pascals**
52. Knot is a unit of → **speed of ships and aircraft (1 nautical mile per hour)**
53. Fathom is a unit of → **depth of water (6 feet)**
54. 1 quintal → **100 kilograms**
55. 1 metric tonne → **1,000 kilograms**
56. Carat is a unit for → **mass of gemstones (200 mg) and purity of gold**
57. Purity of 24-carat gold → **pure gold**
58. Absolute zero → **0 K = −273.15 °C**
59. Temperature at which the Celsius and Fahrenheit scales read the same → **−40°**
60. Normal human body temperature → **37 °C (98.6 °F)**
61. Formula to change Celsius to Fahrenheit → **F = (9/5)C + 32**
62. Instrument to measure very small lengths (diameter of a wire) → **screw gauge**
63. Instrument to measure the internal diameter of a tube → **vernier callipers**
64. Number of significant figures in 0.0050 → **two**
65. Quantity having both magnitude and direction → **vector**

Motion and laws of motion

66. Distance is a → **scalar quantity**
67. Displacement is a → **vector quantity**
68. Speed is a → **scalar quantity**
69. Velocity is a → **vector quantity**

CHAPTER 8

Ancient Indian History

From the Harappan cities to the Guptas and the southern kingdoms: sites, rulers, religions, literature and travellers.

Harappan sites (NCERT)

Site	Present location	Known for
Harappa	Punjab (Pakistan), on the Ravi	first site excavated (1921, Daya Ram Sahni)
Mohenjo-daro	Sindh (Pakistan), on the Indus	Great Bath, granary, "dancing girl" bronze
Lothal	Gujarat	dockyard
Kalibangan	Rajasthan	ploughed field, fire altars
Dholavira	Gujarat (Rann of Kutch)	water reservoirs; UNESCO World Heritage Site (2021)
Rakhigarhi	Haryana	one of the largest Harappan sites

The Indus Valley (Harappan) civilisation

1233. Harappan civilisation belongs to the → **Bronze Age**
1234. First Harappan site to be excavated → **Harappa (1921)**
1235. Harappa was excavated by → **Daya Ram Sahni**
1236. Mohenjo-daro was excavated by → **R. D. Banerji (1922)**
1237. Meaning of Mohenjo-daro → **mound of the dead**
1238. Great Bath was found at → **Mohenjo-daro**
1239. Harappan dockyard was found at → **Lothal**
1240. Ploughed field of Harappan times was found at → **Kalibangan**
1241. Harappan site with an advanced water-conservation system → **Dholavira**
1242. Bronze "dancing girl" statue was found at → **Mohenjo-daro**
1243. Harappan script was written → **from right to left (still undeciphered)**
1244. Metal not known to the Harappans → **iron**
1245. Harappan cities had → **grid-patterned streets and covered drains**
1246. Seal showing a yogi surrounded by animals is called → **Pashupati seal**
1247. Material of most Harappan seals → **steatite**
1248. Main crops of the Harappans → **wheat and barley**
1249. Harappans were the first to grow → **cotton**
1250. River on which Harappa stands → **Ravi**
1251. River on which Mohenjo-daro stands → **Indus**

The Vedic age

1252. Oldest Veda → **Rigveda**
1253. Number of Vedas → **four**
1254. Veda of melodies (songs) → **Samaveda**
1255. Veda of sacrificial formulas → **Yajurveda**
1256. Veda with charms and spells → **Atharvaveda**

CHAPTER 12

Indian Geography

India's size and location, the physical divisions, rivers, lakes and dams, climate and soils, farming and minerals, industry, transport, and the parks that shelter its plants and animals.

India at a glance (NCERT Class 9)

Fact	Value
Area	3.28 million sq km, about 2.4% of the world's land; seventh largest country
Latitudes	8°4′ N to 37°6′ N
Longitudes	68°7′ E to 97°25′ E
Extent	about 3,214 km north to south and 2,933 km east to west
Standard meridian	82°30′ E; Indian Standard Time = GMT + 5 h 30 min
Land border	about 15,200 km, with seven countries
Coastline	11,098.81 km (re-measured figure made official in 2025; the old figure was 7,516.6 km)
States and UTs	28 states and 8 union territories

Location, size and people

1885. India lies entirely in the → **Northern and Eastern Hemispheres**
1886. Line of latitude that divides India into two almost equal halves → **Tropic of Cancer**
1887. States crossed by the Tropic of Cancer → **Gujarat, Rajasthan, Madhya Pradesh, Chhattisgarh, Jharkhand, West Bengal, Tripura and Mizoram**
1888. States through which the standard meridian (82°30′ E) passes → **Uttar Pradesh, Madhya Pradesh, Chhattisgarh, Odisha and Andhra Pradesh**
1889. Time difference between Gujarat in the west and Arunachal Pradesh in the east → **about 2 hours**
1890. Southernmost point of the Indian Union → **Indira Point (Great Nicobar)**
1891. Southernmost point of mainland India → **Kanyakumari (Cape Comorin)**
1892. Country with which India shares its longest land border → **Bangladesh**
1893. Country with which India shares its shortest land border → **Afghanistan**
1894. Indian states that border Myanmar → **Arunachal Pradesh, Nagaland, Manipur and Mizoram**
1895. Indian states that border Nepal → **Uttarakhand, Uttar Pradesh, Bihar, West Bengal and Sikkim**
1896. Indian states that border Bhutan → **Sikkim, West Bengal, Assam and Arunachal Pradesh**
1897. Number of Indian states that border Bangladesh → **five (West Bengal, Assam, Meghalaya, Tripura, Mizoram)**
1898. Boundary line between India and China in the east → **McMahon Line**
1899. Line that separates Pakistan from Afghanistan → **Durand Line**
1900. State that borders the largest number of other states → **Uttar Pradesh (eight)**
1901. Largest state by area → **Rajasthan**
1902. Smallest state by area → **Goa**

CHAPTER 13

Indian Polity and Governance

How the Constitution was made and what it borrowed, the articles and schedules asked most, the Union and the states, the courts, elections, local government and the national symbols.

Features borrowed from other constitutions

Source	Features
Government of India Act, 1935	federal scheme, office of the governor, public service commissions, emergency provisions
United Kingdom	parliamentary government, single citizenship, rule of law, cabinet system, writs
United States	Fundamental Rights, judicial review, independent judiciary, impeachment of the President, Vice-President
Ireland	Directive Principles, nomination to the Rajya Sabha, method of electing the President
Canada	federation with a strong Centre, residuary powers with the Centre, governors appointed by the Centre
Australia	Concurrent List, joint sitting of the two Houses, freedom of trade and commerce
USSR	Fundamental Duties; social, economic and political justice in the Preamble
France	republic; liberty, equality and fraternity
Weimar Germany	suspension of Fundamental Rights during an emergency
South Africa	procedure for amending the Constitution; election of Rajya Sabha members
Japan	"procedure established by law"

The twelve schedules

Schedule	Deals with
First	names of the states and union territories
Second	salaries and allowances of the President, governors, judges, the CAG and others
Third	forms of oaths and affirmations
Fourth	seats of each state and UT in the Rajya Sabha
Fifth	administration of scheduled areas and scheduled tribes
Sixth	tribal areas of Assam, Meghalaya, Tripura and Mizoram
Seventh	Union, State and Concurrent Lists
Eighth	the 22 recognised languages
Ninth	laws protected from court challenge (added in 1951)
Tenth	anti-defection law (added in 1985)
Eleventh	29 subjects of the panchayats (added in 1992)

CHAPTER 17

Books, Awards, Days and Personalities

Famous books and their authors, India's national honours and the world's great prizes, the important days of the year, and the titles by which famous people are known.

Books and authors: India

2982. Gitanjali → **Rabindranath Tagore**
2983. Gora → **Rabindranath Tagore**
2984. Godaan → **Munshi Premchand**
2985. The Discovery of India → **Jawaharlal Nehru**
2986. Glimpses of World History → **Jawaharlal Nehru**
2987. Hind Swaraj → **Mahatma Gandhi**
2988. India Wins Freedom → **Maulana Abul Kalam Azad**
2989. Annihilation of Caste → **B. R. Ambedkar**
2990. Gita Rahasya → **Bal Gangadhar Tilak**
2991. Unhappy India → **Lala Lajpat Rai**
2992. Why I Am an Atheist → **Bhagat Singh**
2993. Wings of Fire → **A. P. J. Abdul Kalam**
2994. Ignited Minds → **A. P. J. Abdul Kalam**
2995. Malgudi Days → **R. K. Narayan**
2996. The Guide → **R. K. Narayan**
2997. Untouchable → **Mulk Raj Anand**
2998. Train to Pakistan → **Khushwant Singh**
2999. A Suitable Boy → **Vikram Seth**
3000. The Argumentative Indian → **Amartya Sen**
3001. Midnight's Children (Booker Prize, 1981) → **Salman Rushdie**
3002. The God of Small Things (Booker Prize, 1997) → **Arundhati Roy**
3003. The Inheritance of Loss (Booker Prize, 2006) → **Kiran Desai**
3004. The White Tiger (Booker Prize, 2008) → **Aravind Adiga**
3005. Tomb of Sand (International Booker Prize, 2022) → **Geetanjali Shree**
3006. Heart Lamp, International Booker winner of 2025 → **Banu Mushtaq (translator Deepa Bhasthi)**
3007. Kamayani → **Jaishankar Prasad**
3008. Madhushala → **Harivansh Rai Bachchan**
3009. Rashmirathi → **Ramdhari Singh Dinkar**
3010. Gitagovinda → **Jayadeva**
3011. Panchatantra → **Vishnu Sharma**
3012. Mrichchhakatika → **Shudraka**
3013. Kadambari → **Banabhatta**
3014. Devdas → **Sarat Chandra Chattopadhyay**
3015. Pather Panchali (novel) → **Bibhutibhushan Bandyopadhyay**
3016. Chemmeen → **Thakazhi Sivasankara Pillai**
3017. Nil Darpan, a play on the plight of indigo farmers → **Dinabandhu Mitra**