

# **General Studies**

**For Competitive Exams** 

For Live Courses & Free Online Test

**SCAN QR Code** 



Based on Latest Exam Patterm

- » Previous Year Questions Included
- » Practice Questions on every topic
- » Basic to Advance Level Questions
- Based on Latest Exam Pattern



## Contents\_\_\_\_

General Inf	formation	I
	SECTION-I (HISTORY)	
ANCIENT F	HISTORY .	
Chapter 1	Pre-Historic Phase/stone Age	29
Chapter 2	Indus-Valley Civilization	31
Chapter 3	Aryans and Vedic Period (1500-600 BC)	33
Chapter 4	Sangam Age	37
Chapter 5	Religious Movements	39
Chapter 6	Rise Of Magahda And The Mauryan Empire	43
Chapter 7	The Imperial Guptas	48
Chapter 8	The post-Gupta period	51
MEDIEVAL	HISTORY	
Chapter 1	Introduction to Early-Medieval India (650-1206)	53
Chapter 2	The Delhi Sultanate (1206–1526 AD)	56
Chapter 3	Religious Movements of Medieval Age	61
Chapter 4	The Coming of the Mughals	63
Chapter 5	Vijaynagar Empire and the Bahamani Kingdoms	70
Chapter 6	The Maratha Age	72
MODERN II	NDIAN HISTORY	
Chapter 1	Advent of the Europeans	74
Chapter 2	Revolt of 1857	78
Chapter 3	Governor-Generals (1772-1947)	80
Chapter 4	Socio-religious Reform Movements	86

Chapter 5	Indian National Congress	93
Chapter 6	Gandhian Era of Indian National Politics	
WORLD HIS	STORY	
Chapter 1	World History Ancient world: Down to 500 AD	108
Chapter 2	Modern world (1500 AD onwards)	114
Chapter 3	Age of Revolutions	116
Chapter 4	World at War	118
	SECTION-II (GEOGRAPHY)	
Chapter 1	Physical geography	129
Chapter 2	World geography	149
Chapter 3	Indian geography	160
Chapter 4	Environment	185
	SECTION-III (INDIAN POLITY)	
Chapter 1	Constitution—An Introduction	199
Chapter 2	Historical Background	204
Chapter 3	Making of the Constitution	207
Chapter 4	The Preamble	214
Chapter 5	The Union and Its Territory	215
Chapter 6	Citizenship	217
Chapter 7	The Union Executive	224
Chapter 8	The Parliament	230
Chapter 9	Judiciary in India	236
Chapter 10	The State Executive & the State Legislature	240
Chapter 11	Panchayats	243
Chapter 12	Commissions	245
	SECTION-IV (ECONOMICS)	
Chapter 1	Indian Economy	255
Chapter 2	Planning In India	

Chapter 3	New Economic Policy (1991)	262
Chapter 4	National Income	265
Chapter 5	Growth Vs Development	269
Chapter 6	Inflation	280
Chapter 7	Financial System	287
Chapter 8	Fiscal System	295
Chapter 9	RBI, Its Function & Monitary Policy	301
Chapter 10	Banking System in India	305
Chapter 11	Banking Terms	310
Chapter 12	Foreign Trade	313
Glossary		316
	SECTION-V (GENERAL SCIENCE)	
PHYSICS PHYSICS		
Chapter 1	Physical Quantities	323
Chapter 2	Force and Gravitation	327
Chapter 3	Heat	336
Chapter 4	Periodic Motion	347
Chapter 5	Atomic And Nuclear Physics	350
Chapter 6	Light	353
Chapter 7	Current Electricity & Magnetism	361
CHEMISTRY	<u>′</u>	
Chapter 1	Structure of Atoms.	366
Chapter 2	States of Matter	371
Chapter 3	Physical And Chemical Changes	375
Chapter 4	Water	377
Chapter 5	Acids, Bases & Salts	382
Chapter 6	Metals And Non-metals	393
Chapter 7	Carbon & Its Compounds	403
Chapter 8	Periodic Table	409

#### **BIOLOGY**

Chapter 1	Cytology	418
Chapter 2	Plant Morphology & Tissue	423
Chapter 3	Photosynthesis & Plant Hormones	425
Chapter 4	Circulatory System	427
Chapter 5	Nutrition	433
Chapter 6	System Of The Human Body	436
Chapter 7	Genetics	445
Chapter 8	Diseases : Causes And Control	447
	SECTION-VI (MISCELLANEOUS)	
Chapter 1	Alternative/New Technologies as Energy Sources	453
Chapter 2	Defence	455
Chapter 3	Culture of India	458
Chapter 4	Miscellanceous	471



### GENERAL INFORMATION

#### INDIA AT A GLANCE

Total Area	32,87,263 sq. km.
Population	1.21 Billion (121cr)
Maximum population	Uttar Pradesh
Minimum populaion	Sikkim (State), Lakshdweep (UT)
Highest Literacy rate	Kerala
Lowest in literacy rate	Bihar
Capital	New Delhi
Sates	28
U.T.	8
Highest density of population	West Bengal
Lowest density of population	Arunachal Pradesh
Highest density of population (UT)	Delhi
Lowest density of population (UT)	Andaman & Nicobar Islands
Largest in area	Rajasthan
Minimum area	Goa
Official Language	Hindi in Devanagari script is the official language of the Union.

National Flag: The National Flag of India is a horizontal rectangular tricolour of India saffron, white and India green; with the Ashoka Chakra, a 24-spoke wheel, in navy blue at its centre. Its design is that of the wheel (Chakra) which appears on the abacus of the Sarnath Lions Capital of Ashoka. It was adopted in its present form during a meeting of the Constituent Assembly held on 22 July 1947, and it became the official flag of the Dominion of India on 15 August 1947. The flag was subsequently retained as that of the Republic of India. In India, the term "tricolour" almost always refers to the Indian national flag. The flag is based on the Swaraj flag, a flag of the Indian National Congress designed by Pingali Venkayya.

National Emblem: The State Emblem of India is the national emblem of India and is used by the national government, many state governments and government agencies. The emblem is an adaptation of the Lion Capital of Ashoka, a statue from 280 BCE. The statue is a dimensional emblem showing four lions. It became the emblem of the Dominion of India in December 1947, and later the emblem of the Republic of India. It shows three Lions with open mouths (the fourth which is visible in the Ashoka pillar is invisible in the state Emblem considered hidden from view). The actual Sarnath capital features four Asiatic lions standing back to back, symbolising power, courage, confidence, and pride, mounted on a circular base. At the bottom is a horse and a bull, and at its centre is a **Dharma chakra**. The abacus is girded with a frieze of sculptures in high relief of The Lion of the North, The Horse of the West, The Bull of the South and The Elephant of the East, separated by intervening wheels, over a lotus in full bloom, exemplifying the fountainhead of life and creative inspiration. Carved from a single block of sandstone, the polished capital is crowned by the Wheel of the Law. The State Emblem was adopted by the Government of India on January 26, 1950.



National Anthem: Jana Gana Mana is the national anthem of India. It was originally composed as Bharoto Bhagyo Bidhata in Bengali by polymath Rabindranath Tagore. The first stanza of the song Bharoto Bhagyo Bidhata was adopted by the Constituent Assembly of India as the National Anthem on 24 January 1950. A formal rendition of the national anthem takes approximately 52 seconds. A shortened version consisting of the first and last lines (and taking about 20 seconds to play) is also staged occasionally. It was first publicly sung on 27 December 1911 at the Calcutta (now Kolkata) Session of the Indian National Congress.

National Song: Vande Mataram is a poem written in Sanskrit by Bankim Chandra Chatterjee in 1870s, which he included in his 1882 Bengali novel Anandamath. The poem was first sung by Rabindranath Tagore in the 1896 session of the Indian National Congress. The first two verses of the song were adopted as the National Song of India in October 1937 by the Congress Working Committee prior to the end of colonial rule in August 1947.

National Animal: Tiger National Flower: Lotus

National Fruit: Mango National Calender: SAKA ERA (Chitra is first month)

National Bird: Peacock National Aquatic Animal: Dolphin

National tree: Banyan Tree

#### PRESIDENTS OF INDIA

Dr Rajendra Prasad (1884-1963)	January 26, 1950 - May 13, 1962
Dr Sarvepalli Radhakrishnan (1888-1975)	May 13, 1962 - May 13, 1967
Dr Zakir Hussain (1897-1969)	May 13, 1967 - May 03, 1969
Varahagiri Venkatagiri (1884-1980) (Acting)	May 03, 1969 - July 20, 1969
Justice Mohammad Hidayatullah (1905-1992) (Acting)	July 20, 1969 - August 24, 1969
Varahagiri Venkatagiri (1884-1980)	August 24, 1969 - August 24, 1974
Fakhruddin Ali Ahmed (1905-1977)	August 24, 1974 - February 11, 1977
B.D. Jatti (1913-2002) (Acting)	February 11, 1977 - July 25, 1977
Neelam Sanjiva Reddy (1913-1996)	July 25, 1977 - July 25, 1982
Giani Zail Singh (1916-1994)	July 25, 1982 - July 25, 1987
R. Venkataraman (1910-2009)	July 25, 1987 - July 25, 1992
Dr Shankar Dayal Sharma (1918-1999)	July 25, 1992 - July 25, 1997
K.R. Narayanan (1920-2005)	July 25, 1997 - July 25, 2002
Dr. A.P.J. Abdul Kalam (1931-2015)	July 25, 2002 - July 25, 2007
Smt. Pratibha Devisingh Patil (Birth-1934)	July 25, 2007 - July 25, 2012
Shri Pranab Mukherjee (1935-2020)	July 25, 2012 - July 25, 2017
Shri Ram Nath Kovind (Birth-1945)	July 25, 2017 - Incumbent

#### VICE PRESIDENTS OF INDIA:

Sarvepalli Radhakrishnan (1888–1975)	13 May 1952 - 12 May 1962
Zakir Husain (1897–1969)	13 May 1962 - 12 May 1967
Varahagiri Venkata Giri (1894–1980)	13 May 1967 - 20 July 1969
Gopal Swarup Pathak (1896–1982)	31 August 1969 - 30 August 1974
Basappa Danappa Jatti (1912–2002)	31 August 1974 - 30 August 1979



Mohammad Hidayatullah (1905–1992)	31 August 1979 - 30 August 1984
Ramaswamy Venkataraman (1910–2009)	31 August 1984 - 24 July 1987
Shankar Dyal Sharma (1918-1999)	07 September 1987 - 24 July 1992
Kocheril Raman Narayanan (1921–2005)	21 August 1992 - 24 July 1997
Krishan Kant (1927–2002)	21 August 1997 - 27 July 2002
Bhairon Singh Shekhawat (1925–2010)	19 August 2002 - 21 July 2007
Mohammad Hamid Ansari (1937)	11 August 2007 - 10 August 2017
Muppavarapu Venkaiah Naidu (1949)	11 August 2017 - Incumbent

#### IMPORTANT PRIME MINISTERS OF INDIA

Jawaharlal Nehru (1889–1964)	15 August 1947 - 27 May 1964
Gulzarilal Nanda (1898–1998)	27 May 1964 - 9 June 1964
Lal Bahadur Shastri (1904–1966)	9 June 1964 - 11 January 1966
Gulzarilal Nanda (1898–1998)	11 January 1966 - 24 January 1966
Indira Gandhi (1917–1984)	24 January 1966 - 24 March 1977
Morarji Desai (1896–1995)	24 March 1977 - 28 July 1979
Charan Singh (1902–1987)	28 July 1979 - 14 January 1980
Indira Gandhi (1917–1984)	14 January 1980 - 31 October 1984
Rajiv Gandhi (1944–1991)	31 October 1984 - 2 December 1989
Vishwanath Pratap Singh (1931–2008)	2 December 1989- 10 November 1990
P. V. Narasimha Rao (1921–2004)	21 June 1991- 16 May 1996
Atal Bihari Vajpayee (1924-2018)	16 May 1996 - 01 June 1996
H.P. Deva Gowda (1933)	17 June 1996 - 21 April 1997
I.K.Gujaral (1919-2012)	21 April 1997 - 19 March 1998
Atal Bihari Vajpayee (1924–2018)	19 March 1998 - 22 May 2004
Manmohan Singh (1932)	22 May 2004 - 26 May 2014
Narendra Modi (1950)	26 May 2014 - Incumbent

#### FIRST AND PRESENT OF INDIA

Chief Election officer	1st: Sukumar Sen	
	Present : Sushil Chandra	
Speaker of Lok Sabha	1st: G.V. Mavalankar	
	Present: Om Birla	
Chairman of Rajya Sabha	1st: Dr. Sarvepalli Radhakrishnan	
Present: Vice President Muppavarapu Venkaiah Naidu		
Chief Justice of India	1st: Harilal j Kania	
Present: N. V. Ramana		



#### **INDIAN MILITARY AIRCRAFTS**

Dassault Rafale	France
Sukhoi Su-30	Russia
HAL Tejas	India
MiG-29	India
Mirage 2000	France
SEPECAT Jaguar	France
MiG-21	Russia
Ilyushin II-78	Russia
C-130J Super Hercules	USA
HAL Light Combat Helicopter	India
Boeing AH-64 Apache	United States
Mi-24	Russia
HAL Rudra	India
CH-47 Chinook	United States
Mi-26	Russia
Mi-17	Russia
HAL Dhruv	India
HAL Light Utility Helicopter	India
HAL Chetak	France / India
HAL Cheetah	France / India

#### **WARSHIPS OF INDIA NAVY**

Ship	Туре	Origin
INS Vikramaditya	Aircraft carrier	Russia
INS Jalashwa (L41)	Amphibious transport dock (LPD)	USA
INS Kolkata	Stealth guided missile destroyer	India
INS Delhi (D61)	Guided missile destroyer	India
INS Ranvijay (D55)	Guided missile destroyer	Soviet Union
INS Shivalik	Stealth guided missile frigate	India
INS Brahmaputra	Guided missile frigate	India
INS Kora	Corvette	India
INS Kalvari	Attack submarine	France/ India
INS Sindhuraj (S57)	Attack submarine	Russia



#### **POLITICAL PARTIES OF INDIA**

Name	Abbreviation	ideology	Founded	Founders	Leaders
All India Trinamool Congress	AITC (popularly as TMC)	Socialism Secularism Anti-communism	1 January 1998	• Mamata Banerjee	Mamata Banerjee
Bahujan Samaj Party	BSP	Social equality Self-respect	14 April 1984	• Kanshi Ram	Mayawati
Bharatiya Janata Party	ВЈР	Neoliberalism Hindu Nationalism Integral humanism Conservatism Right-wing populism	6 April 1980	Syama Prasad     Mukherjee     (as Bharatiya Jana     Sangh)     Atal Bihari     Vajpayee     L. K. Advani	Jagat Prakash Nadda
Communist Party of India	CPI	Communism Marxism-Leninism	26 December 1925	Shripad Amrit Dange S.V. Ghate Muzaffar Ahmed Singaravelu Chettiar Shaukat Usmani Ghulam Hussain K.N. Joglekar P.C. Joshi S.S. Mirajkar	D. Raja
Communist Party of India (Marxist)	CPI(M)	Communism Marxism	7 November 1964	<ul><li>P. Sundarayya</li><li>E. M. S. Namboodiripad</li><li>Jyoti Basu</li><li>Sitaram Yechury</li></ul>	
Indian National Congress	INC	Big tent Social democracy Democratic socialism Social liberalism Secularism Progressivism	28 December 1885	Allan Octavian Hume	Sonia Gandhi (Interim President)
National People's Party	NPP	Ethnocentrism	6 January 2013	• P. A. Sangma • Conrad Sangma	
Nationalist Congress Party	NCP	Liberalism	10 June 1999	Sharad Pawar     P. A. Sangma     Tariq Anwar     Sharad Pawar	



#### **IMPORTANT DAYS**

Jan 12	National Youth Day	Birthday of Swami Vivekananda		
Jan 15	Army Day	Field Marshall K.M. Cariappa took over the command of Army on this day in 1949 from the British.		
Jan 27	International Holocaust Day	The largest Nazi death camp, Auschwitz-Birkenau, was liberated by Soviet troops on Jan 27, 1945.		
Jan 30	Martyr's Day	Martyrdom day of Mahatma Gandhi		
Feb 14	St. Valentine's Day	-		
Feb 28	National Science Day	Marks the discovery of Raman Effect in 1928 by C.V. Raman		
Mar 8	International Women's Day	-		
Mar 15	World Consumer Day	President John F Kennedy formally addressed the issue of consumer rights on this day in 1963.		
Apr 7	World Health Day	WHO was formed on this day in 1948, but the first World Health Day was observed in 1950.		
Apr 12	International Day of Human Space Flight	Yuri Gagarin, the Soviet Cosmonaut made the first space flight on this day in 1961.		
May 1	International Worker's Day	-		
May 8	International Red Cross Day	JH Dunant, the man behind Red Cross was born on this day in 1828.		
May 11	National Technology Day	Nuclear tests at Pokhran carried out in 1998 on this day.		
May 21	Anti-terrorism Day	Former PM Shri Rajiv Gandhi was assassinated on this day in 1991.		
Jun 5	World Environment Day	-		
Jun 21	International Yoga Day	-		
Jul 1	National Doctors Day (India)	Birthday of Dr. Bidhan Chandra Ray		
Jul 11	World Population Day	Inspired by 5 Billion Day in 1987		
Jul 12	Malala Day	Birthday of Malala Yousafzai		
Aug 6	Hiroshima Day	Bombing of Hiroshima on 6 Aug, 1945		
Aug 7	National Handloom Day	Launching of Swadeshi Movement on 7 Aug, 1905		
Aug 9	August Kranti Diwas	Launch of Quit India Movement in 1942		
Aug 19	World Humanitarian Day	Commemorates the day when 22 aid workers were killed in a bombing at the UN headquarters in Baghdad in 2003		
Aug 20	Sadbhawna Diwas	Birthday of Shri Rajiv Gandhi (1944)		
Aug 29	National Sports Day	Birthday of Shri Dhyanchand (1905)		
Sep 5	Teacher's Day	Birthday of Dr. Radhakrishanan (1888)		
Sep 8	International Literacy Day	-		
Sep 14	Hindi Diwas	Hindi accorded the Official language status by the Constituent Assembly on this day in 1949.		
Sep 15	Engineers' Day	Birthday of Sri M Visvesvaraya.		
Sep 27	World Tourism Day	Statutes of United Nations World Tourism Organisation adopted on this day in 1980.		
Oct 2	International Non-violence Day	Birthday of Mahatma Gandhi (1869)		