

M.A. HISTORY

FIRST YEAR

PAPERS	Subject	Max. Marks	Exam Hrs
1	History of North India Down to the Death of Harsha	100	3
2	History of the Mughals	100	3
3	History of Modern Europe	100	3
4	South Indian History from the Sangam Epoch Down to A.D. 1336	100	3
5	Indian National Movement 1885-1947	100	3

SECOND YEAR

PAPERS	Subject	Max. Marks	Exam Hrs
1	History of Modern India Since A.D. 1773	100	3
2	International Relations & Diplomacy Since 1914 A.D.	100	3
3	History of USA From 1919-1995	100	3
4	History of China and Japan in the Nineteenth & Twentieth Centuries	100	3
5	Environmental Studies	100	3

FIRST YEAR

Paper – 1

HISTORY OF NORTH INDIA DOWN TO THE DEATH OF HARSHA

UNIT – I

Geographical factors and their influence on History – Racial and Linguistics units and the fundamental unity of India – Sources and Chronology.

UNIT – II

The stone and Iron Ages – The Indus Valley civilization.

UNIT – III

The Vedic Age (200 B.C. to 600 B.C). The Aryans – Vedic Literature – Political History – Administration – Religious, Economic Condition – Social Life – Culture.

UNIT – IV

The Religious Movements – Gautama, the Buddha – Mahavira Vardhamana.

UNIT – V

The Saisunga – Nanda Empire (600 B.C. to 325 B.C) Kingdoms and Republics in the 6th Century B.C – Bimbisara and Ajatasatru (525 B.C. to 475 B.C) – Decline and fall of the Nandas.

Iranian Penetration – Alexander's Invasion – Effects of the Invasion.

UNIT – VI

The Mauryan Empire (325 B.C to 118 B.C) Sources – Chandragupta – Bindusara – Asoka (273 B.C to 232 B.C) – Kalinga war – Asoka and Buddhism – The Splendour of Asoka.

UNIT – VII

The later Mauryas – Causes of Imperial Decline – Mauryan Administration – Religious and Economic conditions – Social life and culture. The Sungas and the Kanvas – Pushyamitra Sunga (188 B.C to 152 B.C) – Kharavela of Kalinga (176 B.C to 163 B.C) – Greek conquest – The Sakas and the Pahlavas.

UNIT – III

The Kishan Rulers – Kushan Chronology – Kanisha – The Mahayanism – Gandhara Art – India and the Western world.

UNIT – IX

The Gupta age (A.D. 300 to A.D 600) – Sources Chandragupta-I – Samudragupta – Chandragupta-II – Fa-Hien – Decline of the Gupta Empire – Gupta Administration – Religion – Economic Condition – Social life – Culture – Foreign Influence on Indian Culture.

UNIT – X

The Huns in India – Toramana, Mihiragula – Yosodharman of Malwa – The Maukaris of Kanauj – The Guptas of Magadha – Harsha and His times – Sources – Conquest and Administration – His Services to Buddhism – Cultural Progress – Arab Conquest of Sindh.

Reference:

1. Prof. R. Sathianathier – A Political and Cultural History of India Vol-I.
2. A.L. Basham – The Wonder That Was India (OUP).
3. R.C. Majumdar – Ancient India.
4. Prof. K.A.N. Sastri & Srinivasachari – Advanced History of India.

Paper – 2

HISTORY OF THE MUGHALS

UNIT – I

Sources – India on the eve of Babar's Invasion – Babar; Career – Panipat, Khanua and Gogra – His character, Culture and Place in India History.

UNIT – II

Humayun (A.D 1530-56). His difficulties, mistakes – His character and failure.

UNIT – III

Shersha, the Sur (A.D 1540-45) Rise of Sherkhan – Conquests – Conflict with Humayun – As king of Hindustan – The Sur Administration – Place in History. Islam Shah and his successors.

UNIT – IV

Akbar, the Great : (A.D 1542-1605) – Condition of India in 1556 – Bairam Khan and the causes of his downfall – Akbar's relations with the Rajputs. Akbar's Religious evolution and the Din Ilahi – Mansabdari system – Architecture, Literature and Art in Akbar's reign – Personality and Character – As a Nationalist. Statesman – Illustrious men at the court of Akbar.

UNIT – V

Jahangir (A.D 1605 - 1627) Early career – Jahangir and Nurjahan – Effects of Nur Jahan's influence. Wars – His Military might – His personality and character – Religious Policy.

UNIT – VI

Shahjahan (A.D 1628-1658) : Early Career Rebellion – Affairs in the Deccan, career of Mumtaz Mahal; War with the Portuguese – Central Asian Policy of Shahjahan – War with Golkonda and Bijapur – Aurangzeb's second viceroyalty – The war of Succession – golden Age of the Mughal period – Estimate of Shahjahan.

UNIT – VII

Aurangzeb (A.D 1658-1707) Early life – Early Measures – Religious intolerance – Conquests – War with the frontier tribes – Aurangzeb’s ideas of Kingship – Jat Rebellion – Revolt of Sathamis – Aurangzeb and the Sikhs – Policy towards the Rajputs – Deccan Policy of Aurangazab – War with the Maratha people – Aurangzeb and the English – Character and Failure.

UNIT – VIII

Rise of the Maratha : Shivaji’s Early Life – Conquests of Shivaji – Struggle with Bijapur – Shivaji and Afzal Khan – Shivaji and the Mughals – Attack on Surat – Jai singh and Shivaji – His Civil and Military Administration – Shivaji’s Statesmanship – Character and Greatness – Sambaji – Raja Ram – Tara Bai – Sahu – Ramaraja – Sahu-II – Bhakti Movement.

UNIT – IX

Later Mughals : Bahadurshah – Jahandar Shah – Farrukhsiyar – Rafi-ud-Darajat. Mohammad Shah – Sayyid brothers – Break – up of the Empire – Nadirshah – Invasion – Ad Ahmad Shah and Durani Invasions – Alamgir-II – Shah Alam-II – Akbar-II – Bahadurshah-II.

UNIT – X

Administration of the Mughals. Social Life – Economic Conditions – Art and Literature – The Mughal Empire’s Decline – Causes.

Reference:

1. Ishwari Prasad : Short History of the Mislum Rule in India.
2. Tripathi, R.P. Rise and fall of the Mughal empire.
3. Srivasatava : The Mughal Empire.
4. Prof. R. Sathianathaier : History of India-Vol.II.
5. Edwards and Garrett : Mughal Rule in India.
6. Elliot and Douson : History of India as told by its own Historians. Vol.6 and 7.

Paper – 3

HISTORY OF MODERN EUROPE (A.D.1789 TO 1919)

UNIT – I

Introduction – Conditions of Europe on the eve of the French Revolution. The French Revolution Causes course and Results.

UNIT – II

Napoleon-I – Rise – Domestic and Foreign Policies – Downfall.

UNIT – III

Vienna Settlement – Motternich – Revolutions of 1830 and 1848.

UNIT – IV

The Eastern Question (Part-I) – Nationality in the Balkans – The Crimean war.

UNIT – V

Unification of Italy – Mazzni – Cavour, Garibaldi, victor Emmanuel.

UNIT – VI

German Unity – Bismarck – The Danish War – Austro – Prussian War – The France – Prussian War.

UNIT – VII

Napoleon-III – Domestic Policies – Character.

UNIT – VIII

Europe between A.D. 1861 and 1919 – Austria – Hungary Dual Monarchy. Russia – Alexander-II, Revolution of A.D. 1905, Eastern Question(IIpart) Treaty of Berlin – The Age of Imperialism.

UNIT – IX

The First World War – Causes – The Great War of 1914 – Results of the War – Peace Settlement. The League of Nations – Achievements of failures.

UNIT – X

The Russian Revolution of 1917 – Menshevik and Bolshevik Revolutions – Results.

Reference:

1. Ketel by, C.D.D : A History of Modern Times.
2. Fisher, H.A.L : History of Europe.
3. A.J. Grant and Temporary – Europe in the Nineteenth and Twentieth Centuries.
4. David Thomson : Europe since Napoleon.
5. H.S. Huges : Contemporary Europe.
6. Philis W. Alison : Modern Europe.

Paper – 4

SOUTH INDIAN HISTORY FROM THE SANGAM EPOCH DOWN TO

A.D. 1336

UNIT – I

Geography – The Peninsula – The Western – Ghats – The Eastern – Ghats – The Deccan Plateau – Rainfall and Vegetation – Rivers – Ports – Western coast strip – The East coast river details – Coramandel Coast. Sources – Inscription; Stone, copper, Coins, literature : Indian, Foreign.

UNIT – II

Pre-Historic period – Paleolithic stage – Upper Paleolithic – Mesolithic stage and Microlithic – Neolithic stage – Adichanallur – Nilgris – Race types.

UNIT – III

The sangam Age – Kalinga and the Tamil States – Sangam literature – Its age – The cheras – Ay and Pari – Adigaiman Anji – The cholas – Karikala – Ilandiraiyan – The Pandyas – Nadunjelian of Talaiyanganam – Civil war Chola country – End of the Sangam Age – Sangam polity.

UNIT – IV

The Satavahanas – Sources – Origin of the Sathavahanas – Rise and Expansion of the Satavahana power – Hala – conquests – Satavahana revival under Gautamiputra Satakarni – Later Sata : Vahanas – Satavahana polity – Post – Satavahanas period – Ikshavakus – Pallavas – Gangas of Kalinga – Vishnukundins – The Kadambas of Banavasi – The Gangas of Gandavadi. The Kalabhras – Dark Age – Views of Historians – Result of the Kalabhra's rule.

UNIT – V

The Pallavas of Kanchi – sources – Theories of origin – Early and medieval Pallavas (c.515-900) – Simhavishnu Line – Mahendravarman-I – Narasimahavarman-I –

Mahendravarman-II – Paramesvaravarman-II Pallavammalla – Paramesvaravarman-II – Nandivarman-II Pallavamalla – Dantivarman Nandivarman-III – Nirupatunga – Aparajita Kamparvarman – Pallava Polity – Art and Architecture.

UNIT – VI

First Empire of the Pandyas (c.575-900A.D) Sendan or Jayantavarman – Arikesari Marvarman or Arikesari. Rajasimha-I – Nedunjadyan – Rajasimha-II Varaguna-I – Srimara Srivallaba – Varaguna-II – Parantaka Viranarayana – Maravarman Narasimha-III – Virapandya – Insignificant rulers.

UNIT – VII

History of the Deccan – The Chalukyas of Vatabi – The Western Chakras of Kalyani – The Eastern Chalukyas of Vengi – The Western Gangas of Talakad – The Rashtrakutas of Malkhed.

UNIT – VIII

Imperial Cholas – Vijayalaya – Aditya-I – Parantaka-I – Parantaka-II – Sundara Chola – Uttama Chola – Rajaraji-I – Rajendra-I – Rajadhiraja – Rajendra-II – Virarajendra – Adirajendra – Chalukya Cholas – Kulottunga-I – Vikrama Chola – Kulottunga-II Rajaraja-III – Rajendra-III – Chola administration – Art and Architecture.

UNIT – IX

The Age of the Four Kingdoms – The Yadavas of Devagiri – The Hoysals of Dwarasamudra – The Kaktyas of Warangal – The Pandyas of Madurai (Second Empire).

UNIT – X

The Muslim Invasions – Ala-Ud-dinkhilji – Malik Kafar – Invasion of Devagiri, Warangal, Dwarasamudra and Madurai – Invasion of Ma'bar by Kushrykhan – Tuglak invasion and conquest of South India – The Sultanate of Mudrai.

Reference:

1. K.A. Nilakanta Sastri : History of South India.
2. Mahalingam, T.V: South Indian Polity.

3. Krishnaswam : Iyengar, S. Evolution of Hindu Administrative Institutions of Wouth India.
4. Dr. Subramanian, N. Sangam Polity (Asia Publication House).
5. Srinivasi Iyengar, P.T. : History of the Tamils.
6. Gopalan, R : History of the Pallavas of Kanchi.
7. Meenakshi, C. Administration and Social Life under the Pallavas.
8. Dr. K.K. Pillay : A Social History of the Tamils.

Paper – 5

INDIAN NATIONAL MOVEMENT 1885-1947

UNIT – I

Foundational of the Indian National congress – Functions and aims of Indian National Congress – Causes for the rise of Indian Nationalism – Indian National Congress under Moderate period – End of Moderate period.

UNIT – II

Partition of Bengal and development of Indian National Movement – Period of Extremist policy and functions of Extremist – Leaders of Extremist.

UNIT – III

Formation of Muslim League – Surat Split – Minto-Morley reforms and Divide and Rule policy of British – Congress – Muslim League – Lucknow pact – Effect of First World War in British India.

UNIT – IV

Montagu Declarations – Montagu-Chermsford reforms – Jallian Wala Bagh Massacre – Ghandian Era – Non-Cooperation Movement – Swaraj party – Simon commission – Nehru Report – Civil disobedience Movement – Round Table Conferences – Gandhi-Irwin pact – Poona pact – Indian Government Act of 1935.

UNIT – V

Impact of Second World War – August Offer – Cripps proposals – Quit India Movement – Cabinet Mission – Mount Batten plan – Indian Independence Act of 1947 – The Role of press in Freedom Struggle – Impact of British rule in India.

Reference:

1. Agarwal K.C - Indian National Movement.
2. Majumdar R.C - Modern Indian History.
3. Sharma L.P. - History of India.
4. Venkatesan .G - Freedom Struggle in India.
5. Four Author - Modern Indian History.
6. Grover & Grover - Modern Indian History.

SECOND YEAR

Paper – 6

HISTORY OF MODERN INDIA SINCE A.D. 1773

UNIT – I

Warren Hastings – Early Career – as Governor (Revenue Administration and Judicial reforms) – Foreign relations – Emperor Shah Alam – The Rohillawar – Cait Singh of Benares and the Begums of Oudh. The First Anglo – Maratha War – The Second Mysore war – Constitutional developments. Pitt’s India of 1784 – Hastings and his council – And Supreme Court – Impeachment – Estimate of Warren Hastings as the First Governor – General.

UNIT – II

Macpherson Cornwallis (A.D 1786 - 1793) Tippu Sultan and the Third Mysore War – The Permanent Revenue Settlement – Judicial Reforms – Parliamentary Statutes – The charter Art of 1793 – character and achievements – Maratha Confederary and Lord Cornwallis.

UNIT – III

Sir John shore (A.D. 1793-1798) Nana Fadnavis – His ascendancy, character and statesmanship – The Sikh War of Independence – Maharaja Ranjit Sing.
Lord Wellesley (A.D.1798-1805).

Tippu Sultan – Fourth Mysore war – Sultan’s Character and failure – Relations with the Indian states – Subsidiary Alliance – The French Menace – The Second Maratha War – Administration – Cornwallis again (A.D 1806) and Barlow (A.D 1805-1807) The Vellore Rebellion (A.D 1806).

UNIT – IV Lord Minto (A.D. 1807-1813)

Lord Minto's early life and policy – Relation with Punjab – Treaty of Amrstor – General policy towards states – foreign expeditions – Pindaris – Charter Act of 1813 – Service of Minto.

Lord Hastings (A.D. 1813-1823) : Policy of Lord Hastings – Gurkha War – Rebellions – Pindary Hunt – The Third Maratha War – Administration – Character and Achievements of Hastings – Munroe – Elphistone and Malcolm.

UNIT – V

John Adams – Amherst and First Burmese War – William Bentinck and the Protected States – Mysore and Coortg – Foreign Policy – Charter Act of 1833 – Financial and Judicial Reforms – Jhag and Sati – Education – Bentinck's character and glory as statesman and administrator. Sir Charles Mercalfé – Ranjit Singh – Auckland and Ellenborough – the first Afghan War – Hardinage and the First Sikh War – Education – Wilson, Ram Mohan Roy and Devedranath Tagore.

UNIT – VI Lord Dalhousie (A.D 1848 - 1858)

Dalhousie's policy – The Second Sikh War – British Administration of Punjab – The Second Burmese War – The last charter Act – The Doctrine of Lapse – The Moplah and other Rebellions – Annexation of Oudh – Administration – Railways, Telegraphs and Postal system – Education and Public works – Other Reforms – Character and Achievements.

Sepoy Mutiny of 1857: Character and causes of the Mutiny – Dalhousie's responsibility – Course of the Mutiny – Reasons for the failure of the Mutiny – The Government of India Act and the Queen's Proclamation – Effect of the Mutiny.

UNIT – VII

Canning as Viceroy – The white Mutiny and the Acts of 1861 – Canning's Character and achievement – Lawrence – Mayo – Northbrook – Lytton and Second Afghan War – Administration.

Lord Ripon: Ripon and Afghanistan – Administration – Education & Local self – government – The Ilbert Bill Agitation. Ripon's popularity – Dufferin – The Third

Burmese War – Administration – Tenancy Acts, the congress, etc – Landsowne – Elgin-II – Frontier War and Moplah Rebellion – Reforms, Famine & Plague – Religion and Indian – Nationalism; Keshab Chandra Sen, Dayananda Saraswati, Ramakrishna Paramahansa, Swami Vivekananda and Annie Besant.

UNIT – VIII

Lord Curzon

His Frontier Policy – The protected States – Administration : (Famine, Plague, finance, Land Revenue, Agriculture and Industry) – Education and Archaeology. Partition of Bengal – Estimate of Curzon.

Minto-II to Hardinges-II: The Anglo – Russian convention – The partition agitation and Administrative Policy – The Indian councils Act of 1909 – Harding-II – The Delhi Durbar, Industrial Progress – The war of 1914.

UNIT – IX India from A.D. 1916 – 1935

Chelmsford and the I World War – The Amrstor Tragedy and the Third Afghan war – The August Declaration – The Montford Report – The Government of India Act of 1916 – Non-co-operation – The Rowlatt Act – The Khilafat Movement – Lord Reading – Swaraj Party – Lord Irwin – Simon commission (1927) & its report – Non-co-operation – The First Round Table Conference – the Gandhi – Irwin Pact – The North West Frontier and the Red Shirts – Lord Wellington. The Second Round Table Conference – The Communal Award – The Third Round Table conference and the White Paper.

UNIT – X India from A.D. 1936 – 1947

The Government of India Act of 1935 – Linlithgow (1936-43) – The Provincial Autonomy – Cripp's Mission – The Quit India Movement – Wavell (1943-47) and his plan – Cabinet Mission and its failure – Lord Louis Mountbattern – Indian Independence Act of 1947 Constitutional Assembly and the constitution of India 1950.

Reference:

1. Cambridge History of India. Vol-5&6.

2. Prof. Sathiantheir R – Political and Cultural History of India Vol-III (Ch 4 to 8)
1872 Edition.
3. Roberts, P.E. – History of British India.
4. Smith, Vincent, A – The Oxford History of India.
5. Nilakanta Sastri, K.A – History of India part-III.
6. Sadesai G.s – New History of the Marathas, Vol-III.
7. Spear, Percival – India, A Modern History.
8. Majumdar, R.C – History of Freedom Movement in Inida.
9. Keith, A.B – Cultural History of India.

Paper – 7

INTERNATIONAL RELATIONS & DIPLOMACY SINCE 1914 A.D.

UNIT – I

Nature of international relations – National powers and instruments for the promotion of national interests – diplomacy – treaty system – Secret alliances – rivalry for supremacy.

UNIT – II

First World War – Paris Peace Conference – League of Nations.

UNIT – III

Interwar period : Washington Conference – The Great Depression.

UNIT – IV

Rise of dictatorship in Italy – Germany and Turkey – Totalitarianism in Russia – militarism in Japan.

UNIT – V

Axis Alliance-II world War – Peace Plans during War – Treaties after War.

UNIT – VI

UNO – emergence of power blocks : Cold War – Disintegration of USSR.

UNIT – VII

Third World; Nonaligned countries – Afro-Asian Awakening.

UNIT – VIII

Reunion of Germany – Oil Crisis, Iraq War, Apartheid in South Africa.

UNIT – IX

Emergence of new world order – WTO – IMF – ADB – Free Trade Policy – Globalization.

UNIT – X

Role of international associations such as G-8, G-15, G-77 etc.,

Reference:

1. Schuman – International Politics.
2. P.T. Moon – Imperialism and World Politics.
3. Gadhira Hardy – A short history of international Affairs (1902-38).
4. Palmer & Perkins – International Relations.
5. Schwarzenberger – Power Politics.
6. A.K. Sen, International Relations Since 1914.
7. Dr. N. Subramanian, International Relations.

Paper – 8

HISTORY OF USA FROM 1919-1995

UNIT – I

America and I.W.W – Wilson’s 14 Points Programme – League of Nations.

UNIT – II

America between the wars – The great crisis of 1929 – Its Impact.

UNIT – III

F.D. Roosevelt New Deal – Domestic and Foreign Policy.

UNIT – IV

America in the Second World War – Emergence of Super – power – Its role in UNO.

UNIT – V

Harry Truman – Fair Deal – Eisenhower’s prosperity and Modern Republicanism – Vietnam War.

UNIT – VI

Administration of John. F, Kennedy – Lyndon B. Johnson – Vietnam War – Nixon – Watergate Scandal.

UNIT – VII

Administration of Carter, Reagan, Bush and Bill Clinton – Domestic Policies.

UNIT – VIII

Women in American Society from 1919 to the present day – Women Movement to Combat Male Chauvinism – Civil rights Movement (1865-1992) from Martin Luther King to Reverend Jesse Jackson.

UNIT – IX

Technological progress of USA – Military, nuclear and space programmes.

UNIT – X

From 1945-1995 (Policy of containment, coldwar, détente up to Iraqi invasion of Kuwait).

Reference:

1. Harry Williams, Richard N. Current Frank Freidel : History of the United States (since 1865).
2. Pery Miller : American Thought from the Civil War to the First World War.
3. J.W. Oliver : History of American Technology (1965).
4. Sommeret : History of United States.
5. Miller, et al : History of the Unites States.
6. Beard and Beard : New Basic History of the United States.

Paper – 9

HISTORY OF CHINA AND JAPAN IN THE NINETEENTH & TWENTIETH CENTURIES

UNIT – I

China in the beginning of the 19th Century : Political, Social and Economic condition of China under the Manchus – Opium Wars – Taipeing rebellion.

UNIT – II

First Sino – Japanese War (1894-95) – Triple intervention – Spheres of influence (Semi Colonies) – 100 days reforms – Boxer uprising – Reforms of the Empress – Revolution of 1911.

UNIT – III

Yuan Shri Kai – 21 demands of Japan – political turmoil – War lords period – China in the I world War – Paris Peace Conference – Rise of Natinalism in China – May 4th Movement – Dr. Sun Yat Sen – Kuomintany of Ascendancy – Chinese Republic and Chiang Kai Sheik.

UNIT – IV

The Rise of Communism – Co-operation with Dr.Sun – Withdrawal – leadership of Mao Tse Tung – Long March – China during the II-World War – Civil War – Collapse of Kuomintang – Establishment of Communist rule in china (Oct.1949).

UNIT – V

People's Republic of China – China under Mao's rule – Maoism – leap Forward Movement – Cultural revolution – Foreign Policy of Communist Chian – Bamboo curtain policy relation with other countries.

UNIT – VI

Japan in the beginning of the 19th Century – Japan under the rule of Tokugawa Shogans – reopening of Japan to the West – downfall of the shogunate – Meji Restoration – Results of Meji Restoration – Transformation of Japan as a modern country.

UNIT – VII

Emergence of Japan as an imperial power – Anglo – Japanese Alliance (1902) – Russo Japanese War (1904-05) – Japan and the First World War – Washington Conference (1922).

UNIT – VIII

Japan in world politics – Manchurian Crisis – Collapse of the Party government – The Dark Valley period – Rise of Militarism in Japan.

UNIT – IX

Rome – Berlin – Tokyo Axis Alliance – Attack of Pearl Harbour – Japan in the Second World War – Reasons for the defeat of Japan in the Second World War.

UNIT – X

Japan under American occupation – Mc. Arthur's constitution – Reforms of Mc. Arthur – Impact of Communism on Japan – San Francisco Conference – Independence. Economic miracle of Japan – Pajan's relation with world countries.

Reference:

1. Cycle and Bears P.H. The Far East
2. Roy S.L. : A History of the Far East Modern Times.
3. Gupta R.G. History of Modern China.
4. Shivakumar and Jain – A history of the Far East.
5. Rajaram, V : History of China, Japan and South East Asia (Tamil).
6. Rajsehaer E.O. : Japan Past and Present.

Paper – 10

ENVIRONMENTAL STUDIES

UNIT – I

Environment – Definition – Components and types – Natural resources : Forests – Land – Water – Plants – Animals.

UNIT – II

Man and environment – Urbanization and industrialization. Social setup and welfare – Population explosion – Family Planning – Family welfare programmes.

UNIT – III

Ecological system – principles and concepts – components of ecological system – Trophic Levels in Eco system – Types of Ecosystem – forest , Grassland – Desert, Aquatic Estuarine.

UNIT – IV

Energy Systems – Solar energy – Radiation energy – Nuclear energy – Fossil fuel – Hydroelectric energy – Wind energy – Non-conventional energy – Tidal energy – energy from biological system – global warming.

UNIT – V

Environmental pollution – Aquatic, water, pesticides, Industrial, Sewage and Heavy metal Pollutions – effects of pollution on aquatic resources. Air pollution – Sources and types of air pollution – effects of air pollution on human, plants and animals

UNIT – VI

Land Pollution – sources of land Pollution – Agricultural, Industrial Pollution – effects; Noise Pollution – Sources – effects – Thermal pollution – Pollution abatement methods.

UNIT – VII

Economic Environmental Protection – Laws and Agencies – International Laws – National Policies on Environment.

UNIT – VIII

Environmental movement – Social awakening – Chipko movement – Movement in the 20th century – National Parks & Sanctuaries – Environmental Education.

UNIT – IX

Biodiversity – Types – Ecosystem Conservation – Values – Threats to Biodiversity.

UNIT – X

Environmental management – Interference of man on ecological system – Agricultural operation and degradation of nature – agricultural waste – recycling. Industrial performance – human health hazards – Importance of Public Health.

Reference:

1. K.T. Krishnan, Ecology.
2. Prof. S.P. Thiagarajan, Ecology
3. Prof. Chandrasekar, Environmental Pollution.
4. Prof. J. Dharmaraj, Environmental Studies