

Meerut Institute of Engineering & Technology, Meerut

CO-Wise AKTU Question Bank

Course: B.Tech

Subject Name: Environment & Ecology

Subject Code: BAS104/204

Semester: I/II

CO No.	Lect. No.	Syllabus Topic (As Per LP)	Ques. No.	Question Statement (As Per AKTU)	Session
CO 1	1	Environment- definition; types, components and segments of environment, Atmospheric profile	1	What do you mean by the term environment? Name the components and segments of environment.	2022-23
CO 1	1	Environment- definition; types, components and segments of environment, Atmospheric profile	2	Define the term environment. Discuss in brief four segments of environment	2008-09, 2009-10, 2014-15
CO 1	1	Environment- definition; types, components and segments of environment, Atmospheric profile	3	Define lapse rate. Discuss different layers of atmosphere in detail.	2013-14
CO 1	1	Environment- definition; types, components and segments of environment, Atmospheric profile	4	Classify the atmosphere on the basis of temperature variation. State the main activities taking place in each of them.	2011-12
CO 1	1	Environment- definition; types, components and segments of environment, Atmospheric profile	5	How would you broadly divide major layers or region of the atmosphere? State respective altitude and temperature ranges.	2014-15
CO 1	2	Scope, importance and multidisciplinary nature of environmental science/studies, Need for Public Awareness	6	Elaborate environment and its importance by showing few time examples.	2011-12 2012-13
CO 1	2	Scope, importance and multidisciplinary nature of environmental science/studies, Need for Public Awareness	7	What is environment? How can you say that it constitutes a life supporting system?	2011-12
CO 1	2	Scope, importance and multidisciplinary nature of environmental science/studies, Need for Public Awareness	8	Explain the multidisciplinary nature of environmental studies/science	2008-09, 2010-11, 2013-14 2014-15, 2018-19
CO 1	2	Scope, importance and multidisciplinary nature of environmental science/studies, Need for Public Awareness	9	Describe the need of public awareness about the environment.	2008-09, 2010-11, 2014-15, 2017-18

CO 1	2	Scope, importance and multidisciplinary nature of environmental science/studies, Need for Public Awareness	10	Define environment. Discuss the need of public awareness for conservation and protection of environment.	2009-10, 2012-13, 2013-14
CO 1	3	Ecology, Ecosystem (Definition, types and structure & functions)	11	Define ecology and ecosystem. What do you understand by the Balanced Ecosystem (Homoeostasis)? Enumerate different types of ecosystems and explain any two of them in detail.	2007-08
CO 1	3	Ecology, Ecosystem (Definition, types and structure & functions)	12	Define ecology and ecosystem. Explain the role of producer, composer and decomposers in an ecosystem.	2010-11, 2014-15, 2017-18
CO 1	3	Ecology, Ecosystem (Definition, types and structure & functions)	13	What are the basic components of an ecosystem? Outline the concept of balanced ecosystem.	2009-10, 2012-13, 2013-14, 2014-15
CO 1	3	Ecology, Ecosystem (Definition, types and structure & functions)	14	What is mean by structure of an ecosystem? Explain the various components of an ecosystem structure. Discuss the function of an ecosystem also.	2010-11, 2012-13, 2013-14
CO 1	3	Ecology, Ecosystem (Definition, types and structure & functions)	15	Describe in brief the salient features, structure and functions of forest ecosystem.	2010-11
CO 1	3	Ecology, Ecosystem (Definition, types and structure & functions)	16	State the chief characteristic features of a desert ecosystem and describe the structure and their functions.	2011-12
CO 1	3	Ecology, Ecosystem (Definition, types and structure & functions)	17	Discuss in brief pond ecosystem.	2022-23
CO 1	4	Concept of food chain, food web and energy flow	18	Discuss the concept of food chain and food web. Explain different types of food chain and food web stating suitable examples and illustrations.	2022-23, 2013-14, 2017-18
CO 1	4	Concept of food chain, food web and energy flow	19	Define food chain with example.	2015-16, 2017-18
CO 1	4	Concept of food chain, food web and energy flow	20	Explain the flow of energy through various components of ecosystem.	2007-08

CO 1	4	Concept of food chain, food web and energy flow	21	Comment on 'flow of energy is unidirectional and continuous.'	2010-11, 2017-18
CO 1	4	Concept of food chain, food web and energy flow	22	What are trophic levels? Explain the flow of energy and minerals in ecosystem.	2015-16
CO 1	5	Ecological pyramids and their types	23	What do you understand by ecological pyramids? Explain various types of pyramids with examples.	2007-08, 2009-10, 2012-13, 2013-14, 2018-19
CO 1	5	Ecological pyramids and their types	24	What are ecological pyramids? Discuss their types. Also mention which pyramid is always upright and why?	2012-13, 2015-16
CO 1	5	Ecological pyramids and their types	25	Define the term ecological pyramids. Give suitable examples, explain the term upright and inverted ecological pyramids.	2022-23
CO 1	6	Impact of human activities (mining and modern agriculture) on environment, sustainable agriculture	26	Discuss in detail the major environmental impacts of mineral extraction.	2011-12, 2012-13, 2013-14, 2018-19
CO 1	6	Impact of human activities (mining and modern agriculture) on environment, sustainable agriculture	27	What is the impact of mining on the environment? Discuss the necessity of conservation of mineral resources.	2010-11
CO 1	6	Impact of human activities (mining and modern agriculture) on environment, sustainable agriculture	28	Give an account of environmental effects of modern agriculture.	2009-10, 2012-13
CO 1	6	Impact of human activities (mining and modern agriculture) on environment, sustainable agriculture	29	What do you mean by water logging and Salinisation? What are their causes and how do they affect the agricultural yields. Also suggests the measures to minimize them.	2011-12, 2015-16
CO 1	6	Impact of human activities (mining and modern agriculture) on environment, sustainable agriculture	30	What do you know about Seed Suicide or Terminator technology? Give a detailed note on it	2013-14
CO 1	6	Impact of human activities (mining and modern agriculture) on environment, sustainable agriculture	31	Mention advantages and disadvantages of modern agriculture.	2015-16

CO 1	6	Impact of human activities (mining and modern agriculture) on environment, sustainable agriculture	32	Differentiate between positive and negative impacts of farming.	2015-16
CO 1	6	Impact of human activities (mining and modern agriculture) on environment, sustainable agriculture	33	What is sustainable agriculture? Why sustainable agriculture is needed?	2013-14 2012-13
CO 1	6	Impact of human activities (mining and modern agriculture) on environment, sustainable agriculture	34	What is mulching? Mention the purpose of mulching.	2013-14, 2016-17
CO 1	6	Impact of human activities (mining and modern agriculture) on environment, sustainable agriculture	35	What is organic farming?	2015-16
CO 1	6	Impact of human activities (mining and modern agriculture) on environment, sustainable agriculture	36	What is eutrophication? (Short note)	2013-14, 2015-16, 2016-17, 2018-19
CO 1	6	Impact of human activities (mining and modern agriculture) on environment, sustainable agriculture	37	What is biomagnification? (Short note)	2013-14, 2015-16, 2017-18
CO 1	7	Impact of human activities-urbanization (housing, transportation and industrialization) on environment	38	Briefly discuss the impacts of urbanization on environment.	2011-12, 2012-13
CO 1	7	Impact of human activities-urbanization (housing, transportation and industrialization) on environment	39	Discuss the adverse impacts of urbanization and industrialization and suggests suitable remedial measures.	2009-10, 2012-13
CO 1	7	Impact of human activities-urbanization (housing, transportation and industrialization) on environment	40	What is urban sprawling? Discuss positive and negative effects of urbanization.	2015-16
CO 1	7	Impact of human activities-urbanization (housing, transportation and industrialization) on environment	41	Discuss the effect of transportation activities on environment.	2010-11
CO 1	8	EIA and its procedure	42	With the help of a flow chart, explain the Environmental Impact Assessment process.	2010-11, 2014-15, 2017-18

CO 1	8	EIA and its procedure	43	What is EIA? Discuss its process and list the projects for which EIA is mandatory in India.	2009-10, 2012-13
CO 1	8	EIA and its procedure	44	What is Environment Impact Assessment? Discuss its importance in planning and implementation of Engineering Projects.	2013-14, 2014-15
CO 1	9	Concept of Sustainable Development, economic and social security	45	Write a note on sustainable development.	2009-10, 2014-15, 2022-23
CO 1	9	Concept of Sustainable Development, economic and social security	46	Explain the concept of sustainable development. What are the major obstacles in the path of sustainable development in India?	2008-09
CO 1	9	Concept of Sustainable Development, economic and social security	47	Define sustainable development and discuss its concept. How can sustainable development be achieved?	2009-10
CO 1	9	Concept of Sustainable Development, economic and social security	48	What do you understand by sustainable development? Discuss its various elements and goals.	2017-18
CO 1	9	Concept of Sustainable Development, economic and social security	49	Write a short note on economic and social security.	2011-12
CO 1	9	Concept of Sustainable Development, economic and social security	50	Is equity important for sustainable development? How does sustainability relate to equity? Discuss.	2013-14
CO 2	10	Introduction and classification of natural resources	51	What are natural resources? Classify them	2008-09, 2013-14, 2016-17, 2018-19
CO 2	10	Introduction and classification of natural resources	52	What do you understand by a "Natural Resource"? What are its kinds?	2011-12, 2016-17
CO 2	11	Water resources (distribution, sources and quality aspects)	53	What are the various sources of water in nature?	2017-18
CO 2	11	Water resources (distribution, sources and quality aspects)	54	Write short note on hydrological cycle.	2011-12

CO 2	11	Water resources (distribution, sources and quality aspects)	55	Write short note on water conservation.	2010-11
CO 2	11	Water resources (distribution, sources and quality aspects)	56	Why the ground water level is gradually depleting? Suggest some control measures to prevent ground water exploitation.	2010-11
CO 2	11	Water resources (distribution, sources and quality aspects)	57	What is meant by "watershed"? Explain with reasons the importance of watershed management in our National Policy.	2007-08 2012-13
CO 2	11	Water resources (distribution, sources and quality aspects)	58	What is rainwater harvesting? Discuss its advantages and limitations.	2009-10
CO 2	12	Water borne and water induced diseases, arsenic and fluoride problem in drinking water	59	Write a short note on water borne diseases.	2011-12, 2013-14
CO 2	12	Water borne and water induced diseases, arsenic and fluoride problem in drinking water	60	Explain water related diseases. Discuss in detail water borne and water induced diseases.	2017-18
CO 2	12	Water borne and water induced diseases, arsenic and fluoride problem in drinking water	61	Discuss fluoride and arsenic problem in drinking water.	2008-09, 2018-19
CO 2	12	Water borne and water induced diseases, arsenic and fluoride problem in drinking water	62	Discuss fluoride problem in drinking water and its solution (Nalgonda technique of defluoridation). Or Discuss the importance of Fluoride in drinking water. Briefly discuss the Nalgonda Technique of defluoridation of water to control the problem of fluorosis.	2009-10
CO 2	12	Water borne and water induced diseases, arsenic and fluoride problem in drinking water	63	What is fluorosis? How it is caused? State its preventive measures.	2022-23
CO 2	13	Mineral resources: Material or bio-geochemical cycles, Carbon, nitrogen and sulphur cycles	64	What is material cycle? Explain nitrogen cycle with neat diagram.	2018-19
CO 2	13	Mineral resources: Material or bio-geochemical cycles, Carbon, nitrogen and sulphur cycles	65	Explain in detail carbon and nitrogen cycle.	2014-15, 2017-18

CO 2	13	Mineral resources: Material or biogeochemical cycles, Carbon, nitrogen and sulphur cycles	66	Explain the sulphur cycle with neat sketch.	2010-11, 2014-15
CO 2	13	Mineral resources: Material or biogeochemical cycles, Carbon, nitrogen and sulphur cycles	67	Define biogeochemical cycle. With a neat sketch, explain Nitrogen cycle in nature. Name and explain the various steps involved in nitrogen cycle.	2009-10
CO 2	13	Mineral resources: Material or biogeochemical cycles, Carbon, nitrogen and sulphur cycles	68	Draw and explain carbon cycle.	2015-16, 2017-18
CO 2	14	Energy Resources: Conventional Sources of Energy- Fossil fuels (coal, petroleum & natural gas), nuclear fuels	69	Classify the energy resources.	2012-13, 2013-14, 2014-15
CO 2	14	Energy Resources: Conventional Sources of Energy- Fossil fuels (coal, petroleum & natural gas), nuclear fuels	70	What are conventional sources of energy for the humanity?	2011-12
CO 2	14	Energy Resources: Conventional Sources of Energy- Fossil fuels (coal, petroleum & natural gas), nuclear fuels	71	Write short note on fossil fuels.	2014-15, 2018-19
CO 2	14	Energy Resources: Conventional Sources of Energy- Fossil fuels (coal, petroleum & natural gas), nuclear fuels	72	Explain environmental impacts of fossil fuels.	2012-13
CO 2	14	Energy Resources: Conventional Sources of Energy- Fossil fuels (coal, petroleum & natural gas), nuclear fuels	73	What are the products of combustion of coal and petroleum? Discuss their damaging effects on environment.	2012-13
CO 2	14	Energy Resources: Conventional Sources of Energy- Fossil fuels (coal, petroleum & natural gas), nuclear fuels	74	How do we get electricity from fossil fuels? Explain the impacts of fossil fuels on environment.	2013-14, 2016-17
CO 2	14	Energy Resources: Conventional Sources of Energy- Fossil fuels (coal, petroleum & natural gas), nuclear fuels	75	What are the uses of natural gas?	2013-14
CO 2	14	Energy Resources: Conventional Sources of Energy- Fossil fuels (coal, petroleum & natural gas), nuclear fuels	76	Write a short note on nuclear energy.	2011-12, 2014-15, 2017-18
CO 2	15	Non conventional Sources of Energy: solar, wind, hydro, tidal, geothermal, biomass and hydrogen as future source of energy	77	What are non-conventional energy resources? Discuss any two of them.	2014-15, 2017-18

CO 2	15	Non conventional Sources of Energy: solar, wind, hydro, tidal, geothermal, biomass and hydrogen as future source of energy	78	What do you understand by conventional and non-conventional energy sources?	2011-12, 2015-16
CO 2	15	Non conventional Sources of Energy: solar, wind, hydro, tidal, geothermal, biomass and hydrogen as future source of energy	79	Describe various kinds of energy resources. Distinguish between conventional and non-conventional energy resources.	2022-23
CO 2	15	Non conventional Sources of Energy: solar, wind, hydro, tidal, geothermal, biomass and hydrogen as future source of energy	80	Enumerate the application of solar energy in modern days. Explain the use of solar energy for space heating of buildings.	2007-08, 2011-12
CO 2	15	Non conventional Sources of Energy: solar, wind, hydro, tidal, geothermal, biomass and hydrogen as future source of energy	81	Explain the uses of solar energy.	2008-09, 2018-19
CO 2	15	Non conventional Sources of Energy: solar, wind, hydro, tidal, geothermal, biomass and hydrogen as future source of energy	82	Explain the principle and working of solar cell with diagram.	2015-16, 2017-18
CO 2	15	Non conventional Sources of Energy: solar, wind, hydro, tidal, geothermal, biomass and hydrogen as future source of energy	83	Write short note on hydroelectric energy.	2014-15
CO 2	15	Non conventional Sources of Energy: solar, wind, hydro, tidal, geothermal, biomass and hydrogen as future source of energy	84	What are the environmental problems of large hydropower plants?	2012-13
CO 2	15	Non conventional Sources of Energy: solar, wind, hydro, tidal, geothermal, biomass and hydrogen as future source of energy	85	Give critical notes on tidal energy	2012-13, 2015-16
CO 2	15	Non conventional Sources of Energy: solar, wind, hydro, tidal, geothermal, biomass and hydrogen as future source of energy	86	Discuss wind energy with its merits and limitations.	Probability question
CO 2	15	Non conventional Sources of Energy: solar, wind, hydro, tidal, geothermal, biomass and hydrogen as future source of energy	87	Give critical notes on geothermal energy.	2012-13, , 2015-16
CO 2	15	Non conventional Sources of Energy: solar, wind, hydro, tidal, geothermal, biomass and hydrogen as future source of energy	88	What is biogas production? Explain the anaerobic digestion process.	2011-12, 2012-13
CO 2	15	Non conventional Sources of Energy: solar, wind, hydro, tidal, geothermal, biomass and hydrogen as future source of energy	89	What is the composition of biogas?	2012-13

CO 2	15	Non conventional Sources of Energy: solar, wind, hydro, tidal, geothermal, biomass and hydrogen as future source of energy	90	What is biomass energy? Explain the different methods of biogas production in India.	2017-18
CO 2	15	Non conventional Sources of Energy: solar, wind, hydro, tidal, geothermal, biomass and hydrogen as future source of energy	91	Discuss Hydrogen as alternate or future source of energy.	2008-09, 2010-11, 2013-14, 2017-18
CO 2	15	Non conventional Sources of Energy: solar, wind, hydro, tidal, geothermal, biomass and hydrogen as future source of energy	92	How and why we can say that the hydrogen as an alternative future source of energy?	2011-12, 2012-13
CO 2	16	Forest resources (availability), functions of forest, Deforestation-its causes, impacts and control measures	93	Prove why conservation of forest is important to mankind?	2012-13
CO 2	16	Forest resources (availability), functions of forest, Deforestation-its causes, impacts and control measures	94	Describe briefly the measures taken for the remedy to conserve Forest wealth.	2016-17
CO 2	16	Forest resources (availability), functions of forest, Deforestation-its causes, impacts and control measures	95	What is deforestation? Give main causes and effects (consequences) of deforestation.	2009-10, 2011-12, 2018-19
CO 2	16	Forest resources (availability), functions of forest, Deforestation-its causes, impacts and control measures	96	Describe the effects of deforestation. Explain the measures taken for its remedy to conserve forest wealth.	2010-11, 2013-14
CO 2	16	Forest resources (availability), functions of forest, Deforestation-its causes, impacts and control measures	97	What is deforestation? Enumerate and discuss the various causes and effects of deforestation on environment. How can deforestation be controlled?	2022-23
CO 3	17	Environmental pollution, its types and types of pollutants (environmental pollutants)	98	Explain the term pollutant. Give examples	2015-16, 2016-17, 2017-18
CO 3	17	Environmental pollution, its types and types of pollutants (environmental pollutants)	99	Define pollution and give their various types.	2013-14, 2015-16
CO 3	17	Environmental pollution, its types and types of pollutants (environmental pollutants)	100	Classify all the different categories of pollutants with examples.	2013-14, 2017-18
CO 3	17	Environmental pollution, its types and types of pollutants (environmental pollutants)	101	Enumerate major categories of pollution of environment. What is their general fate?	2011-12

CO 3	18	Causes, impacts and control measures of air pollution	102	Define air pollution? What are the sources of air pollutants? How will you classify air pollutants?	2010-11, 2014-15
CO 3	18	Causes, impacts and control measures of air pollution	103	Discuss National Ambient Air Quality Standards. OR Write down National Ambient Air Quality Standards for industrial, residential, rural and other areas as prescribed by CPCB.	2010-11, 2014-15
CO 3	18	Causes, impacts and control measures of air pollution	104	Enumerate various air pollutants for which National Ambient Air Quality Standards have been given in India. Explain the various non-point sources of air pollutants contributing to air pollution.	2007-08
CO 3	18	Causes, impacts and control measures of air pollution	105	What is air pollution? Discuss its causes, effects and remedial measures?	2017-18
CO 3	18	Causes, impacts and control measures of air pollution	106	What is London smog?	2013-14, 2022-23
CO 3	18	Causes, impacts and control measures of air pollution	107	What is Los Angeles smog?	2013-14
CO 3	18	Causes, impacts and control measures of air pollution	108	Define BAP and its source.	2015-16
CO 3	18	Causes, impacts and control measures of air pollution	109	Day by day our atmosphere gets prone to serious effects. Prove it.	2012-13
CO 3	18	Causes, impacts and control measures of air pollution	110	What is photochemical smog? How does it differ from London smog? What are its effects?	Probability question
CO 3	19	Causes, impacts and control measures of water pollution, waste water treatment plant	111	Enumerate various types of pollutants that cause pollution of water bodies. Also discuss how water bodies can be saved from ill effects of uncontrolled discharge of wastewater into them.	2009-10, 2013-14
CO 3	19	Causes, impacts and control measures of water pollution, waste water treatment plant	112	What is water pollution? Suggests various remedial and control measures to minimize water pollution.	2008-09, 2012-13
CO 3	19	Causes, impacts and control measures of water pollution, waste water treatment plant	113	What is water pollution? What are its effects on human health?	2008-09

CO 3	19	Causes, impacts and control measures of water pollution, waste water treatment plant	114	What is water pollution? Explain the various causes, effects and controlling measures to control it.	2017-18
CO 3	19	Causes, impacts and control measures of water pollution, waste water treatment plant	115	Explain waste water treatment plant with the help of diagram.	2012-13, 2013-14
CO 3	20	Causes, impacts and control measures of thermal, soil and noise pollution	116	What do you understand by the term thermal pollution? Discuss the various effects and control measures of thermal pollution.	2011-12
CO 3	20	Causes, impacts and control measures of thermal, soil and noise pollution	117	Define land pollution. Discuss the causes of land pollution and its control.	2008-09
CO 3	20	Causes, impacts and control measures of thermal, soil and noise pollution	118	What is soil erosion?	2017-18
CO 3	20	Causes, impacts and control measures of thermal, soil and noise pollution	119	What is land degradation?	2014-15
CO 3	20	Causes, impacts and control measures of thermal, soil and noise pollution	120	What is noise pollution? What are the various effects of noise pollution?	2008-09, 2014-15
CO 3	21	Radioactive pollution, Case studies like Bhopal Gas Tragedy, Chernobyl nuclear accident, Hiroshima-Nagasaki atomic bomb explosion, Minamata disease	121	Discuss the Bhopal Gas Tragedy.	2012-13, 2014-15
CO 3	21	Radioactive pollution, Case studies like Bhopal Gas Tragedy, Chernobyl nuclear accident, Hiroshima-Nagasaki atomic bomb explosion, Minamata disease	122	Write short note on Minamata disease	Probability question
CO 3	21	Radioactive pollution, Case studies like Bhopal Gas Tragedy, Chernobyl nuclear accident, Hiroshima-Nagasaki atomic bomb explosion, Minamata disease	123	Write short note on Chernobyl Nuclear Accident	Probability question
CO 3	21	Radioactive pollution, Case studies like Bhopal Gas Tragedy, Chernobyl nuclear accident, Hiroshima-Nagasaki atomic bomb explosion, Minamata disease	124	Write short note on Hiroshima-Nagasaki atomic bomb explosion	Probability question

CO 3	21	Radioactive pollution, Case studies like Bhopal Gas Tragedy, Chernobyl nuclear accident, Hiroshima-Nagasaki atomic bomb explosion, Minamata disease	125	What is radiation pollution? Discuss in brief the effect of radiation from nuclear reactor on environment with suitable examples.	2010-11
CO 3	21	Radioactive pollution, Case studies like Bhopal Gas Tragedy, Chernobyl nuclear accident, Hiroshima-Nagasaki atomic bomb explosion, Minamata disease	126	Use of toxic chemical and radioactive materials has added a new public health challenge? Discuss	2011-12
CO 3	22	Solid waste (including E-waste), its types and Solid waste management practices	127	What do you understand by the term solid waste? Discuss in brief the various types of solid wastes.	2008-09
CO 3	22	Solid waste (including E-waste), its types and Solid waste management practices	128	Write a short notes on E-waste	Probability question
CO 3	22	Solid waste (including E-waste), its types and Solid waste management practices	129	What are the sources and effects of solid wastes? Explain waste minimization techniques.	2010-11, 2014-15
CO 3	22	Solid waste (including E-waste), its types and Solid waste management practices	130	What is solid waste? Discuss in brief the various ways of solid waste disposal methods.	2008-09, 2013-14, 2017-18, 2018-19
CO 3	22	Solid waste (including E-waste), its types and Solid waste management practices	131	Describe in brief the concept of solid waste management with the basic problem involved in it. Distinguish between incineration, combustion and pyrolysis methods of solid waste disposal.	2010-11, 2013-14
CO 4	23	Concept of Global climate change, global warming and greenhouse effect	132	Discuss the climate change and global warming. Also describe some control measures.	2011-12
CO 4	23	Concept of Global climate change, global warming and greenhouse effect	133	Write short note on global warming	2010-11
CO 4	23	Concept of Global climate change, global warming and greenhouse effect	134	Write short note on greenhouse effect	2010-11, 2013-14, 2016-17, 2018-19

CO 4	23	Concept of Global climate change, global warming and greenhouse effect	135	What are greenhouse gases? Name and discuss their contribution to global warming. What can be the effects of global warming? What are the remedial measures?	2008-09, 2010-11, 2014-15
CO 4	23	Concept of Global climate change, global warming and greenhouse effect	136	Comment on phenomena of global warming and greenhouse effect. Discuss the effects of global warming and greenhouse effect and its remedial measures.	2013-14
CO 4	24	Concept of Acid rain and ozone layer depletion	137	Write short note on acid rain.	2010-11, 2013-14
CO 4	24	Concept of Acid rain and ozone layer depletion	138	Explain acid rain, its causes & effects on environment.	2008-09, 2018-19
CO 4	24	Concept of Acid rain and ozone layer depletion	139	What is acid rain? Name the gases responsible for acid rain. Discuss the causes, effects and remedies of acid rain on environment and ecology.	2022-23
CO 4	24	Concept of Acid rain and ozone layer depletion	140	What is ozone layer?	2016-17
CO 4	24	Concept of Acid rain and ozone layer depletion	141	What are the gases responsible for ozone layer depletion?	2014-15
CO 4	24	Concept of Acid rain and ozone layer depletion	142	What is ozone hole or ozone layer depletion? What are the causes of ozone hole formation. Discuss the effects of ozone layer depletion and its remedial measures.	2010-11, 2011-12
CO 4	24	Concept of Acid rain and ozone layer depletion	143	Bring about the reactions taking place at stratosphere.	2015-16
CO 4	24	Concept of Acid rain and ozone layer depletion	144	What is meant by ozone depletion? How CFCs and other ozone depleting substances affect ozone shield?	2014-15
CO 4	25	Causes, impacts and control measures of automobile pollution	145	What is automobile pollution? Discuss its causes, effects and remedial measures?	Probability question
CO 4	26	Burning of paddy straw, its causes, environmental impacts and control measures	146	Explain the causes and environmental impacts of burning of paddy straw? What remedial measures would you suggest to overcome this problem?	Probability question
CO 5	27	Environmental (Protection) Act, 1986	147	Briefly discuss the salient features of Environment (Protection) Act, 1986	2012-13, 2017-18,

					2018-19
CO 5	27	Environmental (Protection) Act, 1986	148	Why do we refer Environment (Protection) Act, 1986 as an Umbrella Act? Discuss the Environmental protection rules, 1986.	2014-15, 2017-18
CO 5	28	Role of Government, NGO'S and Individuals in environmental protection	149	Discuss the role Government and legal aspects in environmental protection.	2008-09, 2009-10, 2010-11, 2014-15
CO 5	28	Role of Government, NGO'S and Individuals in environmental protection	150	What are various issues related to enforcement of environmental legislation?	2008-09, 2012-13
CO 5	28	Role of Government, NGO'S and Individuals in environmental protection	151	Explain in detail the various Acts relating to air, water and environmental protection.	2012-13
CO 5	28	Role of Government, NGO'S and Individuals in environmental protection	152	Briefly discuss the salient feature of the Forest (Conservation) Act. 1980.	2007-08, 2010-11
CO 5	28	Role of Government, NGO'S and Individuals in environmental protection	153	Discuss the salient features of Wildlife (Protection) Act , 1972	2010-11, 2013-14, 2016-17
CO 5	28	Role of Government, NGO'S and Individuals in environmental protection	154	What is the role of an individual in prevention of pollution?	2014-15, 2015-16
CO 5	28	Role of Government, NGO'S and Individuals in environmental protection	155	Discuss the role of NGOs in environmental protection.	2013-14, 2014-15, 2017-18
CO 5	28	Role of Government, NGO'S and Individuals in environmental protection	156	Discuss the need and functions of NGOs for pollution control.	2015-16, 2017-18
CO 5	28	Role of Government, NGO'S and Individuals in environmental protection	157	Explain how the initiatives taken by Non-Governmental Organizations are helpful in creating public awareness and implementation of environmental protection programmes.	2009-10
CO 5	29	Population: population & its characteristics, population growth and related aspects	158	How population, poverty and pollution are interrelated to each other?	2009-10, 2013-14

CO 5	29	Population: population & its characteristics, population growth and related aspects	159	Discuss population explosion in Indian Context. What are the major causes and effects of population explosion?	2017-18
CO 5	29	Population: population & its characteristics, population growth and related aspects	160	What is migration? Give its types?	2015-16
CO 5	29	Population: population & its characteristics, population growth and related aspects	161	What are the different characteristics of population? Explain	2015-16
CO 5	29	Population: population & its characteristics, population growth and related aspects	162	Write short note on population stabilization.	2010-11, 2011-12
CO 5	29	Population: population & its characteristics, population growth and related aspects	163	How the growth in population, economic development, excess land use, technological options and social preferences affect the environmental pollution?	2010-11
CO 5	29	Population: population & its characteristics, population growth and related aspects	164	Discuss population explosion in Indian context. Discuss the factors responsible for population explosion in India. What should be the objectives of a sound population policy?	Probability question
CO 5	29	Population: population & its characteristics, population growth and related aspects	165	What is population explosion? Discuss the impact (consequences) of population explosion (population pressure) on India's environment, food and natural resources.	Probability question
CO 5	30	Environmental Education and need for women education	166	What are the principles of environmental education?	2015-16
CO 5	30	Environmental Education and need for women education	167	What should be the guidelines for excellence for environmental education?	2010-11
CO 5	30	Environmental Education and need for women education	168	What is environmental education? How it can protect the environment?	2022-23
CO 5	30	Environmental Education and need for women education	169	Explain the need of education (environmental education) for controlling the pollution. OR Why the education and awareness in common people is necessary for pollution control?	2015-16
CO 5	30	Environmental Education and need for women education	170	Environmental education can play an important role in environmental protection. Justify	2008-09

CO 5	30	Environmental Education and need for women education	171	Discuss the strategies and policies adopted by Government of India for development of women education. Describe briefly the various schemes launched for women education in India.	2022-23
CO 5	30	Environmental Education and need for women education	172	Discuss how women education aid with development of India.	2018-19
CO 5	30	Environmental Education and need for women education	173	Discuss women education and strategies and policies adopted by Government of India related with it.	2010-11, 2012-13
CO 5	30	Environmental Education and need for women education	174	Discuss the importance of women education for the success of the schemes relating to environmental quality management and public health.	2009-10
CO 5	30	Environmental Education and need for women education	175	What is the importance of environmental education and women education in India?	2017-18