

# SRM VALLIAMMAI ENGINEERING COLLEGE

(An Autonomous Institution)  
SRM Nagar, Kattankulathur – 603203

## QUESTION BANK



**II SEMESTER**  
**1921203 - Environmental Science and Engineering**  
**Regulation 2019**  
(Common to All Branches)

**Academic Year 2022-2023 Even Semester**

**Prepared by**

S. No	Unit	Topic	Staff
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2	II	ENVIRONMENTAL POLLUTION	Dr. L. Devaraj Stephen Ms. M. Meera
3	III	NATURAL RESOURCES	Dr. J. Krishnamurthi Dr. P. Maheswari
4	IV	SOCIAL ISSUES AND THE ENVIRONMENT	Dr. L. Devaraj Stephen Dr. S. G. Gunasekaran
5	V	HUMAN HEALTH AND THE ENVIRONMENT	Dr. M. Soundarrajan Dr. N. Jayaprakash

## UNIT – I: ENVIRONMENT, ECOSYSTEMS AND BIODIVERSITY

Definition, scope and importance of environment – need for public awareness – concept of an ecosystem – structure and function of an ecosystem – producers, consumers and decomposers – energy flow in the ecosystem – ecological succession – food chains, food webs and ecological pyramids – Introduction, types, characteristic features, structure and function of the grassland ecosystem, aquatic ecosystems (lakes, oceans) – Introduction to biodiversity definition: genetic, species and ecosystem diversity – biogeographical classification of India – value of biodiversity: consumptive use, productive use, social, ethical, aesthetic and option values – India as a mega-diversity nation – hotspots of biodiversity – threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts – endangered and endemic species of India – conservation of biodiversity: In-situ and ex-situ conservation of biodiversity. Field study of an ecosystems.

Q.No	Part-A ( 2 Marks)	BT LEVEL	Competence
1.	Explain the concepts of an ecosystem.	BTL 2	Understanding
2.	Mention the significance and scope of environmental education.	BTL 3	Applying
3.	What is an ecosystem?	BTL 1	Remembering
4.	Define producers and consumers.	BTL 2	Understanding
5.	Design energy flow in an ecosystem.	BTL 6	Creating
6.	Formulate the process of ecological succession.	BTL 6	Creating
7.	Relate food chain and food web.	BTL 4	Analyzing
8.	Evaluate the characteristic features of food webs.	BTL 5	Evaluating
9.	Define ecological pyramid.	BTL 2	Understanding
10.	“India is a mega diversity nation”-Account.	BTL 4	Analyzing
11.	Criticize four important feature of grass land ecosystem.	BTL 5	Evaluating
12.	Point out the various values of biodiversity.	BTL 3	Applying
13.	List some of the hotspots of biodiversity in India.	BTL 1	Remembering
14.	What are the biotic and abiotic components of an ecosystem?	BTL 1	Remembering
15.	Discuss habitat. Mention two examples.	BTL 2	Understanding
16.	What is an endangered species? Mention with suitable examples.	BTL 1	Remembering
17.	Compare insitu and exsitu conservation of biodiversity.	BTL 4	Analyzing
18.	What is habitat fragmentation?	BTL 1	Remembering
19.	What is red data book?	BTL 1	Remembering
20.	Discover the major causes of man-wild life conflicts.	BTL 3	Applying
21.	Analyze the various threats to biodiversity.	BTL 4	Analyzing
22.	List out the different types of public participation.	BTL 1	Remembering
23.	Define ecology.	BTL 2	Understanding
24.	What is ecological succession?	BTL 1	Remembering
25.	Defend genetic diversity.	BTL 5	Evaluating

Q.No	PART-B	BT LEVEL	Competence
1.	What is an ecosystem? Describe the structural and functional components of an ecosystem. (13)	BTL 1	Remembering
2.	Evaluate ecological pyramid of numbers, biomass and energy with suitable example. (13)	BTL 5	Evaluating
3.	i. Draw and explain the process of food chain and food web. (7)	BTL 2	Understanding
	ii. Define ecological succession. Explain its process. (6)	BTL 2	Understanding
4.	Examine the various threats to biodiversity. (13)		
5.	Give an account on the structure and function of grassland ecosystem. (13)	BTL 2	Understanding
6.	Sketch the types, characteristic features, structure and function of ocean ecosystem. (13)	BTL 3	Applying
7.	Describe an aquatic ecosystem's types, characteristics, features, structure and functions. (13)	BTL 1	Remembering
8.	i. Write about the importance of protecting the biodiversity of the earth. (7)	BTL 1	Remembering
	ii. Explain the major factors that are responsible for the loss of biodiversity. (8)	BTL 1	Remembering
9.	Express the values that can be assigned to biodiversity. (13)	BTL 3	Applying
10.	Design the models of energy flow in an ecosystem. (13)	BTL 6	Creating
11.	Compare endangered species and endemic species. (13)	BTL 4	Analyzing
12.	Explore the various hot spots of biodiversity. (13)	BTL 4	Analyzing
13.	What are the significant causes of man-wildlife conflict? Discuss the remedial steps that can curb the conflict. (13)	BTL 6	Creating
14.	Summarize the measures to conserve biodiversity from human activities. (13)	BTL 2	Understanding
15.	Examine the criteria for recognizing hotspots. (13)	BTL 3	Applying
16.	Defend India as a mega biodiversity nation. (13)	BTL 4	Analyzing
17.	Compile the direct and indirect use values of biodiversity. (13)	BTL 5	Evaluating

Q. No	PART -C	BT LEVEL	Competence
1.	Explain the threats to biodiversity with the help of the case study. (15)	BTL 5	Evaluating
2.	Construct the structure and function of the aquatic ecosystem. (15)	BTL 6	Creating
3.	Investigate the following:		
	i. Endangered species of India. (8) ii. Endemic species of India. (7)	BTL 6	Creating
4.	Explain in-situ and ex-situ conservation of biodiversity. (15)	BTL 5	Evaluating
5.	Give an account of the structure and function of the grassland ecosystem. (15)	BTL 4	Analyzing

## UNIT – II: ENVIRONMENTAL POLLUTION

Definition – causes, effects and control measures of: (a) Air pollution (b) Water pollution (c) Soil pollution (d) Marine pollution (e) Noise pollution (f) Thermal pollution (g) Nuclear hazards – solid waste management: causes, effects and control measures of municipal solid wastes – role of an individual in prevention of pollution – pollution case studies – disaster management: floods, earthquake, cyclone and landslides. Field study of local polluted site – Urban / Rural / Industrial /Agricultural.

Q. No	Part-A ( 2 Marks)	BT LEVEL	Competence
1.	What is meant by air pollution?	BTL 1	Remembering
2.	Evaluate any four air pollutants and their sources and effects.	BTL 5	Evaluating
3.	List out any four major water pollutants.	BTL 2	Understanding
4.	Discuss the types of solid wastes.	BTL 2	Understanding
5.	Compare point and non-point sources of water pollution.	BTL 4	Analyzing
6.	Distinguish between sewage and effluent.	BTL 5	Evaluating
7.	State BOD and COD. Write about its importance in environmental studies.	BTL 3	Applying
8.	Write any four water quality parameters and their importance.	BTL 2	Understanding
9.	Investigate the causes of soil pollution.	BTL 6	Creating
10.	Analyze the sources and effects of marine pollution.	BTL 4	Analyzing
11.	What are the causes of thermal pollution?	BTL 1	Remembering
12.	Define radioactivity. Mention the sources of radioactivity.	BTL 2	Understanding
13.	How is marine pollution controlled?	BTL 3	Applying
14.	What are the major causes of an earthquake?	BTL 1	Remembering
15.	Illustrate photochemical smog.	BTL 3	Applying
16.	Define the term landslide.	BTL 2	Understanding
17.	What adverse effects can solid wastes cause?	BTL 1	Remembering
18.	Write about the term ‘Tsunami’.	BTL 6	Creating
19.	Classify the terms pollution prevention and pollution control.	BTL 4	Analyzing
20.	State the role and responsibility of an individual in the prevention of pollution.	BTL 1	Remembering
21.	Mention the control measures for noise pollution.	BTL 1	Remembering
22.	List out any two effects of noise pollution on a human being.	BTL 2	Understanding
23.	Mention the sources of solid waste.	BTL 2	Understanding
24.	Compile the terms recycling and reuse.	BTL 5	Evaluating
25.	Analyze the individual in pollution prevention.	BTL 4	Analyzing

Q.No	PART B		BT LEVEL	Competence
1.	i.	Give the classification of air pollutants and sources of air pollution. (7)	BTL 2	Understanding
	ii.	Enumerate the adverse effect of sand control measure for air pollution. (6)	BTL 2	Understanding
2.	i.	Express the significant sources of water pollution with an example. (7)	BTL 3	Applying
	ii.	Suggest the methods to control water pollution. (6)	BTL 3	Applying

3.	Describe the methods of wastewater treatment. (13)	BTL 1	Remembering
4.	Briefly describe the sources, effects and prevention of soil pollution. (13)	BTL 4	Analyzing
5.	Explore the causes, effects and control measures of marine pollution. (13)	BTL 4	Analyzing
6.	List the sources, effects and control measures of noise pollution. (13)	BTL 2	Understanding
7.	What are the sources of thermal pollution? Explain its effects and control measures of thermal pollution. (13)	BTL 1	Remembering
8.	i. Examine the characteristics of hazardous and non-hazardous waste and explain their ill effects. (7)	BTL 3	Applying
	ii. Find how radioactive waste can be managed by listing its effects. (6)	BTL 3	Applying
9.	Write a flow sheet and explain the steps involved in solid waste management. (13)	BTL 1	Remembering
10.	Give a comparative account of urban and industrial waste regarding their sources, characteristics, and management and disposal methods. (13)	BTL 2	Understanding
11.	Evaluate the role of an individual in pollution prevention in detail. (13)	BTL 5	Evaluating
12.	Discuss the following terms elaborately. (i) Floods (ii) Landslides (iii) Cyclones (13)	BTL 2	Understanding
13.	Discuss the various disposal methods of solid waste management with a flow sheet. (13)	BTL 6	Creating
14.	Analyze the ill effects of air and marine pollution with the help of a case study for each. (13)	BTL 4	Analyzing
15.	Demonstrate the causes, impacts and control measures of thermal pollution. (13)	BTL 2	Understanding
16.	Inspect the series of methods of wastewater treatment with a suitable diagram. (13)	BTL 3	Applying
17.	Enumerate the role and responsibility of an individual in the prevention of pollution. (13)	BTL 3	Applying

Q. No	PART – C	BT LEVEL	Competence
1.	Discuss the measures that should be taken to de-pollute our waterways. (15)	BTL 6	Creating
2.	How can you, as an individual, prevent environmental pollution? Why is such an effort at the individual level essential? (15)	BTL 5	Evaluating
3.	Formulate the more significant impacts of recent case studies about natural calamities. (15)	BTL 6	Creating
4.	Explain the control and prevention measures of municipal solid wastes. (15)	BTL 5	Evaluating
5.	Compile the ill effects of marine pollution with a case study. (15)	BTL 5	Evaluating

## UNIT – III: NATURAL RESOURCES

Forest resources: Use and over-exploitation, deforestation, soil erosion and desertification, case studies-timber extraction, mining, dams and their effects on forests and tribal people – Water resources: Use and over- utilization of surface and ground water, floods, drought, conflicts over water– Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources, case studies – Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity– role of an individual in conservation of natural resources – Equitable use of resources for sustainable lifestyles. Field study of local area to document environmental assets – river / forest / grassland / hill / mountain.

Q. No	Part-A ( 2 Marks)	BT LEVEL	Competence
1.	Write a note on natural resources? List out its types.	BTL 1	Remembering
2.	Give any four uses of forests.	BTL 2	Understanding
3.	What are the ecological benefits of the forest?	BTL 2	Understanding
4.	Describe the term deforestation.	BTL 1	Remembering
5.	What are non-renewable resources? Give example.	BTL 1	Remembering
6.	Define the term water logging.	BTL 3	Applying
7.	List any four adverse effects of mining.	BTL 4	Analyzing
8.	State any two merits and demerits of dams.	BTL 2	Understanding
9.	Predict the reasons for drought.	BTL 5	Evaluating
10.	Write any four advantages in conjunctive use of water.	BTL 6	Creating
11.	Evaluate the environmental effects of mineral extraction.	BTL 5	Evaluating
12.	Explain the term overgrazing. Accounts its impacts.	BTL 4	Analyzing
13.	Analyze the methods to control malnutrition and under nutrition.	BTL 4	Analyzing
14.	Outline the fertilizer-pesticide problems.	BTL 3	Applying
15.	Justify the term “Modern agriculture causes Blue baby syndrome”.	BTL 6	Creating
16.	Define “eutrophication”.	BTL 2	Understanding
17.	Describe the conservation of forest resources.	BTL 4	Analyzing
18.	Why is conservation of natural resources required?	BTL 1	Remembering
19.	Illustrate the ways to conserve water resources.	BTL 3	Applying
20.	What is salinity of water?	BTL 1	Remembering
21.	Explain about nitrate pollution.	BTL 4	Analyzing
22.	Examine the term biomagnification.	BTL 6	Creating
23.	Write any two conflicts over water confining to our nation.	BTL 2	Understanding
24.	What is over utilization of water?	BTL 1	Remembering
25.	Explain micronutrient imbalance and its impacts.	BTL 4	Analyzing

Q.No	PART –B	BT LEVEL	Competence
1.	List the impact of deforestation on the environment. (13)	BTL 2	Understanding
2.	i. Write about the effects of constructing dams on forest and tribal people. (8)	BTL 1	Remembering
	ii. Describe the issues of over exploitation of forest resources. (5)	BTL 1	Remembering

3.	Briefly describe droughts and floods with respect to their occurrences and impacts. (13)	BTL 3	Applying
4.	Discuss elaborately the merits and demerits of constructing big dams. (13)	BTL 2	Understanding
5.	Explain the environmental effects of extracting and using mineral resources. (13)	BTL 6	Creating
6.	Discuss the effects of modern agriculture due to usage of fertilizers and pesticides. (13)	BTL 2	Understanding
7.	Explain the impact of overgrazing and agriculture related to food resources. (13)	BTL 4	Analyzing
8.	Evaluate the following terms: 1) Biomagnification 2) Blue baby syndrome 3) Super pest 4) Eutrophication (13)	BTL 5	Evaluating
9.	Enumerate on the use and over utilization of surface and ground water resources. (13)	BTL 3	Applying
10.	List out the effects of timber extraction and mining in forests. (13)	BTL 1	Remembering
11.	Outline the overall structure of the following i. Food resources (7) ii. Forest resources (6)	BTL 3	Applying
12.	Illustrate the ecological uses of forests surpass commercial uses. (13)	BTL 4	Analyzing
13.	Describe in detail about mineral resources and its conservation. (13)	BTL 4	Analyzing
14.	Write in detail the role of an individual in conservation of natural resources. (13)	BTL 1	Remembering
15.	Evaluate the over utilization of water resources. (13)	BTL 5	Evaluating
16.	Evaluate the individual role on conservation of natural resources. (13)	BTL 6	Creating
17.	Enumerate the problems of modern agriculture. (13)	BTL 3	Applying

Q.No	PART –C	BT LEVEL	Competence
1.	Evaluate the ill effects due to the overutilization of water resources. (15)	BTL 5	Evaluating
2.	Summarize the term “modern agriculture”. Discuss its impact and harmful effects. (15)	BTL 6	Creating
3.	Defend the over utilization of forest resources. How does it affect the construction of dam in the forest area? (15)	BTL 5	Evaluating
4.	Support by an individual is essential to protect natural resources. Explain. (15)	BTL 6	Creating
5.	Compile the uses of mineral resources and tell its impact on environment. (15)	BTL 6	Creating

## UNIT – IV: SOCIAL ISSUES AND THE ENVIRONMENT

From unsustainable to sustainable development – urban problems related to energy – water conservation, rain water harvesting and watershed management – role of non-governmental organization- environmental ethics: Issues and possible solutions – climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust, case studies. – wasteland reclamation – consumerism and waste products – environment production act – Air (Prevention and Control of Pollution) Act – Water (Prevention and control of Pollution) Act – Wildlife protection Act – Forest conservation Act – enforcement machinery involved in environmental legislation- central and state pollution control boards- Public awareness.

Q.No	Part-A ( 2 Marks)	BT LEVEL	Competence
1.	Originate the aims of sustainable development.	BTL 6	Creating
2.	Illustrate the advantages of rain water harvesting.	BTL 2	Understanding
3.	Examine the objectives of watershed management.	BTL 3	Applying
4.	What do you understand by global warming?	BTL 2	Understanding
5.	What is ozone layer depletion?	BTL 1	Remembering
6.	How does climate change occur?	BTL 4	Analyzing
7.	Define the term nuclear holocaust.	BTL 1	Remembering
8.	What is meant by acid rain? Analyze how it is formed.	BTL 4	Analyzing
9.	Conclude any two control measures of acid rain.	BTL 4	Analyzing
10.	Demonstrate greenhouse gases.	BTL 2	Understanding
11.	Compute at least four major environmental issues.	BTL 3	Applying
12.	Define environmental audit.	BTL 1	Remembering
13.	Evaluate the methods of waste land reclamation.	BTL 5	Evaluating
14.	Mention the objectives of EIA.	BTL 1	Remembering
15.	List the objectives of the wild life protection act of 1972.	BTL 1	Remembering
16.	List the objectives for forest conservation act.	BTL 1	Remembering
17.	Predict few drawbacks of pollution related acts.	BTL 5	Evaluating
18.	Construct the methods to create environmental awareness.	BTL 6	Creating
19.	Write the functions of pollution control board.	BTL 2	Understanding
20.	Illustrate the objectives of public awareness.	BTL 3	Applying
21.	Outline the solution for urban energy problem.	BTL 6	Creating
22.	What is rain water harvesting?	BTL 1	Remembering
23.	Mention some NGOs functioning in environmental protection.	BTL 5	Evaluating
24.	Analyze the effects of nuclear accidents.	BTL 4	Analyzing
25.	Explain the term consumerism.	BTL 2	Understanding



Q.No	PART –B		BT LEVEL	Competence
1.	What is sustainable development? Explain its importance and sustainable development policies. (13)		BTL 1	Remembering
2.	Explain the major urban problems related to energy. (13)		BTL 3	Applying
3.	i.	Demonstrate rainwater harvesting. Discuss in brief on the types of rainwater harvesting. Summarize Why it is necessary nowadays. (8)	BTL 2	Understanding
	ii.	What is an NGO? Find and mention its role in environmental protection. (5)	BTL 2	Understanding
4.	i.	Analyze watershed management. Explain the factors affecting and the need for watershed management. (7)	BTL 4	Analyzing
	ii.	Discuss in detail about the watershed management techniques and its maintenance. (6)	BTL 4	Analyzing
5.	Discuss the measures to conserve water. (13)		BTL 3	Applying
6.	Discuss about the importance of environmental ethics. (13)		BTL 1	Remembering
7.	Explain the phenomenon of greenhouse effect. What are its effects? (13)		BTL 4	Analyzing
8.	i.	Outline the mechanism of ozone layer depletion. (7)	BTL 2	Understanding
	ii.	Extend the causes and effects of acid rain. (6)	BTL 2	Understanding
9.	i.	Classify the nuclear accidents from holocaust. (7)	BTL 4	Analyzing
	ii.	Categorize the various measures for wasteland reclamation. (6)	BTL 4	Analyzing
10.	What is consumerism? Discuss in detail about the over growing population and its effect on consumerism. (13)		BTL 1	Remembering
11.	Find out the laws that have been framed for environmental protection and mention the objectives for each act. (13)		BTL 1	Remembering
12.	Propose why we refer to Environment protection Act 1986 as an umbrella act. Discuss the major environment protection rules 1986. (13)		BTL 6	Creating
13.	i.	Write about air (1981) act and water (1974) act in detail. (7)	BTL 2	Understanding
	ii.	Describe the salient features of wildlife protection act (1991) and forest (1980) act. (6)	BTL 2	Understanding
14.	i.	What functions are performed by the central and state pollution control boards? (7)	BTL 5	Evaluating
	ii.	Explain the issues involved in the enforcement of environmental legislation. (6)	BTL 5	Evaluating
15.	Compose the rain water harvesting method of water conservation. (13)		BTL 6	Creating
16.	Enumerate in detail of the following.			
	i.	Acid rain (7)	BTL 2	Understanding
	ii.	Nuclear holocaust (6)		
17.	Review the different measures for wasteland reclamation. (13)		BTL 5	Evaluating



Q. No	PART –C	BT LEVEL	Competence
1.	Adapt the components of watershed management. What do you understand from the concept of sustainable development? (15)	BTL 6	Creating
2.	Estimate the causes, effects and control measures of (i) Ozone layer depletion and (ii) Global warming. (15)	BTL 6	Creating
3.	Defend the causes, effects and control measures of (i) Acid rain (ii) Nuclear accidents. (15)	BTL 5	Evaluating
4.	Compile the essential provisions in the Environmental Protection, Air, and Water acts. (15)	BTL 5	Evaluating
5.	Devise the nuclear hazard in detail with a case study. (15)	BTL 6	Creating

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## UNIT – V: HUMAN POPULATION AND THE ENVIRONMENT

Population growth, variation among nations – population explosion – family welfare programme – environment and human health – human rights – value education – HIV / AIDS – women and child welfare – role of information technology in environment and human health – Case studies.

Q.No	Part-A ( 2 Marks)	BT LEVEL	Competence
1.	Label the causes of population growth.	BTL 1	Remembering
2.	Define doubling time with reference to population growth.	BTL 1	Remembering
3.	Give reasons behind the increased population growth in the less developed nations compared with developed nations.	BTL 4	Analyzing
4.	Illustrate population explosion and population density.	BTL 3	Applying
5.	Define population explosion.	BTL 1	Remembering
6.	Write few factors for declining birth rate.	BTL 6	Creating
7.	State population density.	BTL 1	Remembering
8.	What are the objectives of family welfare programmes?	BTL 1	Remembering
9.	Assess how environment and human health are related.	BTL 5	Evaluating
10.	List the main declaration of human rights.	BTL 1	Remembering
11.	Discuss value education? Give its significance.	BTL 6	Creating
12.	What is HIV? Name the sources where they exist in human body.	BTL 2	Understanding
13.	What are the major pre-caution to avoid AIDS?	BTL 2	Understanding
14.	Write any two HIV tests.	BTL 1	Remembering
15.	Differentiate between HIV and AIDS.	BTL 4	Analyzing
16.	Mention the objectives of women welfare system.	BTL 3	Applying
17.	Name any two family welfare programs adopted in India.	BTL 2	Understanding
18.	Analyze the term NIMBY syndrome.	BTL 4	Analyzing
19.	State the role of information technology in environment.	BTL 3	Applying
20.	Evaluate the objectives of public awareness.	BTL 5	Evaluating
21.	Write the mode of value education.	BTL 1	Remembering
22.	What are the methods used for family planning.	BTL 2	Understanding
23.	What are the major symptoms of AIDS?	BTL 2	Understanding
24.	Analyze the impact of population explosion.	BTL 4	Analyzing
25.	Mention the objectives of child welfare program.	BTL 3	Applying

Q.No	PART –B		BT LEVEL	Competence
1.	i.	Discuss the variation of population among nations. (8)	BTL 3	Applying
	ii.	What has been the growth pattern of India's population? (5)	BTL 3	Applying
2.	Population explosion affects the environment seriously. Discuss. (13)		BTL 4	Analyzing
3.	Illustrate on family welfare and family planning. (13)		BTL 2	Understanding
4.	Describe the major choices of family planning. (13)		BTL 1	Remembering

5.	i.	Explain the factors influencing the family size and its impact on the economy of a society. (7)	BTL 2	Understanding
	ii.	Write a note on family welfare programmes practiced by Government of India. (6)	BTL 1	Remembering
6.	i.	Discuss the factors influencing human health under current environment conditions. (7)	BTL 4	Analyzing
	ii.	Discuss the functions of human rights. (6)	BTL 4	Analyzing
7.	What is the universal declaration of Human Rights? What is its importance in achieving the goals of equity, justice and sustainability? (13)		BTL 5	Evaluating
8.	Compile the objectives and elements of value education. How can they be achieved? (13)		BTL 6	Creating
9.	Explain the role of value education to students for the betterment of social life. (13)		BTL 1	Remembering
10.	i.	Write the methods and strategies for imparting value education. (6)	BTL 4	Analyzing
	ii.	Discuss in detail on various health schemes initiated by Indian government. (7)	BTL 4	Analyzing
11.	What is HIV? Explain the transmission of HIV and how it can be prevented. (13)		BTL 1	Remembering
12.	Summarize the need, objectives and schemes for woman welfare. (13)		BTL 2	Understanding
13.	Discuss women and child welfare programs practiced in India. What are the hurdles encountered? (13)		BTL 3	Applying
14.	Discuss about role of information technology in environment and human health. (13)		BTL 1	Remembering
15.	What is AIDS? Discuss its causes, effects, and preventive or control measures in detail. (13)		BTL 1	Remembering
16.	Explain causes, effects, and preventive measures of population explosion. (13)		BTL 2	Understanding
17.	Evaluate how the information technology is playing a vital role in environment and human health. (13)		BTL 5	Evaluating

Q. No	PART –C	BT LEVEL	Competence
1.	Discuss Population growth. Compile its character with the help of a graph among various nations. (15)	BTL 6	Creating
2.	Write explanatory notes on:		
	i. Value education (8) ii. Declaration of human rights (7)	BTL 6	Creating
3.	Summarize the origin of HIV, modes of transmission, symptoms and control. (15)	BTL 5	Evaluating
4.	Evaluate the role of information technology (IT) in protection of environment and human health. (15)	BTL 5	Evaluating
5.	Analyze the following in detail.		
	i. Child welfare (8) ii. Women welfare (7)	BTL 4	Analyzing