

CLASS -XI
ENVIRONMENT EDUCATION

Time: 2 Hrs

Theory Marks: 45
IA Marks: 05
Total Marks: 50

STRUCTURE OF QUESTION PAPER (THEORY)

1. There will be one theory paper comprising of 17 questions. All questions will be compulsory.
2. Question No. 1-5 are very short answer type question carrying 1 mark each. Answer to each question will be in one line or few words only.
3. Question No. 6-10 are short answer type questions carrying 2 marks each. Answer to each question will be in 20-30 words.
4. Question No. 11-15 are long/medium answer type question carrying 4 marks each. Answer to each question will be in 50-60 words.
5. Question No. 16 and 17 are long answer type question carrying 5 marks each. Answer to these questions will be in 80-100 words.
6. In Question No 16 and 17 there will be 100 % internal choice.
7. There will be no objective type question like yes/ No, tick/ cross, fill in the blanks, multiple choice, true/ false etc.
8. The Question paper should be strictly from the prescribed syllabus based on above mentioned guidelines.

UNIT WISE DISTRIBUTION OF MARKS

Unit	1 Mark questions	2 Mark questions	4 Mark questions	5 Mark Questions
Unit I Man and Environment	1	1	1	1
Unit II Environment and Development	1	1	1	or 1
Unit III Environmental Pollution and Global issues	1	1	1	1 or 1
Unit IV Energy	1	1	1	1
Unit V Safe work Environment and Occupational Hazards	1	1	1	---
Total Maks	5 marks	10 marks	20 marks	10 marks

INSTRUCTION FOR PAPER SETTER

1. There will be 17 questions in theory paper.
2. Questions No. 1-5 are of 1 mark each and there should be one question from each unit.
3. Question 6-10 are of 2 marks each and there should be one question from each unit.
4. Question 11-15 are of 4 marks each and there should be one question from each unit.
5. Question 16 will be of 5 marks and to be set from unit I and choice question should be set from unit II.
6. Question 17 will be of 5 marks and to be set from unit III and choice Question should be set from unit IV.

SYLLABUS

Unit- I Man and Environment

1. Environment

- Dimensions of Environment- physical, biological and social.

- Human being as rational and social partner in environmental actions.
- Society and environment in India: Indian traditions, customs and culture in past and present.

2. Population and Environment

- Demography, causes of increase in population and its ill effects on environment, urbanization.

3. Impact of human activities on Environment

- Environmental problems of urban and rural areas.
- Natural resources and their depletion
- Stress on civic amenities, supply of water and electricity, disposal, transport, health services.
- Vehicular emissions.
- Urbanisation- land use, housing, migrating and floating population.

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Unit-II Environment and Development

4. Economic and Social Development

- Economic and social needs as basic considerations for development.
- Agriculture and industry as major sector of development.
- Social factors affecting development- poverty, affluence, education, employment, child marriage and child labour, human health- HIV/AIDS, social culture and ethical values.

5. Impact of Liberalization and Globalization

- Impact of liberalization and globalization- agriculture and industries, dislocation of manpower and unemployment implications for social harmony.

6. Role of Society in Development and Environment

- Role of society in development and environment- public awareness through education, eco- clubs, population education programmes and campaigns, public participation in decision making.

Unit-III Environmental Pollution and Global Issues

7. Environmental Pollution

- Air water (fresh and marine), soil pollution- sources and consequences.
- Noise and radiation pollution- sources and consequences.
- Solid, liquid and gaseous pollution.

8. Pollution and Diseases

- Handling of hazardous material, process and management of hazardous wastes.
- Pollution related diseases.
- Strategies for reducing pollution and improving the environment.

9. Global Issues and Improvement of Environment

- Ozone Layer depletion and its effects.
- Greenhouse effect, global warming, climate changes and their effects on human society, agriculture plants and animals.

10. Disaster

- Disaster- natural (earthquakes, droughts, floods, cyclones, landslides) and man made (technological and industrial), their impact on the environment, prevention, control and mitigation.

Unit- IV Energy

11. Energy Consumption

- Changing global pattern of energy consumption -from ancient to modern times.

- Energy consumption as a measure of quality of life.
- Rising demand for energy gap between demand and supply (Indian context.)

12. Conventional Sources of Energy

- Conventional energy sources- fossil and firwood, potential (India context) and limitations of each source, methods of harnessing energy and environment consequences of their use.

13. Non- conventional Source of Energy

- Non Conventional energy sources- type of non -conventional sources(bio- mass, solar, wind, ocean, hydel, geothermal, nuclear),potential(Indian context) and limitations of each source, methods of harnessing and their environmental consequences, need to promote non- conventional energy sources.

14. Conservation of Energy

- Conservation of energy sour ces- efficiency in production, transportation and utilization of energy.
- Future sources of energy- hydrogen, alcohol, fuel cells.

Unit V Safe work Environment and Occupational Hazards

15. Safe Work Environment

- Safe work environement- adequate light, ventilation, cleanliness, good house keeping.

16. Safety Laws, Accidents and First- Aid

- Safety awareness management- safety precautions- home and work (laboratory, workshop, work site), safe handling of equipment and materal.
- Occupational hazards- physical, chemical, mechanical, electrical, biological, radiational and psychological.
- Accidents and major hazards in industries and occupations- fire, explosion, toxic release.
- First aid measures.
- Laws and regulations related to occupational health and safety.

17*. Drugs- ill Effects Part-I

- Importance of health, Drug-addiction, symptoms (Material upload on website)
- Drugs of abuse and their health consequences, academic and occupational consequences, consequences for family, social, legal and criminal consequences.
- Prevention of Drug , Government initiatives, the narcotic drug and psychotropic substances act-1985, offences and penalties.

* Chapter 17 is added in the syllabus as a compulsory topic, Matter is available on the Board's website www.pseb.ac.in.

Internal Assessment	05 Marks
Book Bank	2 Marks
Project work	3 Marks

ਸੁਕਨਾ

ਪੰਜਾਬ ਸਕੂਲ ਸਿੱਖਿਆ ਬੋਰਡ

~~ਵਿਸ਼ਾ: ਅਕਾਦਮਿਕ ਸਾਲ 2020-21 ਲਈ ਨੌਵੀਂ ਤੋਂ ਬਾਰ੍ਹਵੀਂ ਸ਼੍ਰੇਣੀ ਲਈ Revised~~
~~ਸਿਲੇਬਸ।~~

ਵਿਸ਼ਵ ਭਰ ਵਿੱਚ Covid-19 ਮਹਾਂਮਾਰੀ ਦੇ ਮੱਦੇ ਨਜ਼ਰ ਸਕੂਲ ਬੰਦ ਹੋਣ ਕਾਰਨ ਵੱਖ-ਵੱਖ ਸ਼੍ਰੇਣੀਆਂ ਦੀ ਪੜ੍ਹਾਈ ਦਾ ਬਹੁਤ ਨੁਕਸਾਨ ਹੋਇਆ ਹੈ। ਇਸ ਕਰਕੇ ਪੰਜਾਬ ਸਕੂਲ ਸਿੱਖਿਆ ਬੋਰਡ ਵੱਲੋਂ ਅਕਾਦਮਿਕ ਸਾਲ 2020-21 ਲਈ ਨੌਵੀਂ ਤੋਂ ਬਾਰ੍ਹਵੀਂ ਸ਼੍ਰੇਣੀਆਂ ਦੇ ਪਾਠਕ੍ਰਮ ਨੂੰ ਘਟਾਉਣ ਦਾ ਫੈਸਲਾ ਲਿਆ ਗਿਆ ਹੈ। ਸਿੱਖਣ ਪੱਧਰ ਦੀ ਮਹੱਤਤਾ ਨੂੰ ਮੁੱਖ ਰੱਖਦੇ ਹੋਏ ਸਿਲੇਬਸ ਇਸ ਢੰਗ ਨਾਲ ਘਟਾਉਣ ਦੀ ਕੋਸ਼ਿਸ਼ ਕੀਤੀ ਗਈ ਹੈ ਕਿ ਵਿਸ਼ੇ ਦੇ ਮੂਲ ਸੰਕਲਪ ਨੂੰ ਹਾਨੀ ਨਾ ਪਹੁੰਚੇ।

ਸਕੂਲ ਮੁਖੀਆਂ ਅਤੇ ਅਧਿਆਪਕਾਂ ਵੱਲੋਂ ਇਸ ਗੱਲ ਦਾ ਖਾਸ ਧਿਆਨ ਰੱਖਿਆ ਜਾਵੇ ਕਿ ਦੂਜੇ Topics ਨਾਲ ਰਾਬਤਾ ਰੱਖਣ ਲਈ ਲੋੜ ਅਨੁਸਾਰ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਘਟਾਏ ਗਏ Topics ਨੂੰ ਵੀ ਪੜ੍ਹਾਇਆ ਜਾਣਾ ਉਚਿਤ ਹੋਵੇਗਾ ਬੇਸ਼ਕ ਇਹ Topics ਆਂਤਰਿਕ ਮੁਲਾਂਕਣ ਅਤੇ ਸਾਲਾਨਾ ਇਮਤਿਹਾਨਾਂ ਦਾ ਹਿੱਸਾ ਨਹੀਂ ਹੋਣਗੇ।

ਘਟਾਏ ਗਏ ਸਲੇਬਸ ਦਾ ਵੇਰਵਾ ਹੇਠ ਦਿੱਤਾ ਗਿਆ ਹੈ।



Environmental Education
Code 139
DELETED PORTIONS ; CLASS XI
Under Unit 1: Man and Environment Chapter : Population and Environment
Under Unit II : Environment and Development Chapter : Impact of Liberalisation and Globalisation
Under Unit 3 : Environmental Pollution and Global Issues Chapter : Pollutants and Diseases
Under Unit 4 : Energy Chapter : Energy Consumption
Under Unit 5: Safe Work Environment and Occupational Hazards Chapter : Drugs : Ill Effects (Part I)

