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**BRAINWARE UNIVERSITY**

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Term End Examination 2025-2026**Programme – B.A. LL.B.-2024/BBA LL.B.-2024****Course Name – Environmental Sustainability & Climate Change/Environmental Sustainability and Climate Change****Course Code - BALLB306/BBALLB306****(Semester III)****Full Marks : 60****Time : 2:30 Hours**

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 15=15

1. Choose the correct alternative from the following :
- (i) What is population explosion?
a) A sudden increase in population
b) A sudden decrease in population
c) Constant population
d) Stable birth rate
- (ii) Which of the following affects environment due to overpopulation?
a) Resource depletion
b) Decrease in greenhouse gas emissions
c) Lower demand for natural resources
d) Reduced waste generation
- (iii) Select the aim of Family welfare programs.
a) Increase population growth
b) Promote early marriage
c) Improve health and well-being of families
d) Discourage use of healthcare services
- (iv) Which technology helps in spreading environmental awareness?
a) Artificial Intelligence (AI) in weapon systems
b) Geographic Information System (GIS)
c) Cryptocurrency mining
d) Deep-sea oil drilling
- (v) Population growth can be reduced by:
a) Encouraging child marriage
b) Promoting family planning
c) Increasing birth rates
d) Reducing access to education
- (vi) Environmental assets include:
a) Buildings and highways
b) Forests, rivers, and wildlife
c) Factories and machinery
d) Shopping malls and parking lots
- (vii) Which act was enacted for environmental protection in India?
a) Environment (Protection) Act, 1986
b) Factories Act, 1948
c) Income Tax Act, 1961
d) Right to Education Act, 2009
- (viii) Which body issues environmental laws in India?

- a) Supreme Court b) Ministry of Environment, Forest and Climate Change
c) Health Ministry d) Railway Board
- (ix) Which is a function of judiciary in environmental protection?
a) Drafting policies b) Enforcing acts
c) Interpreting laws d) Conducting surveys
- (x) The Polluter Pays Principle means:
a) Polluters are rewarded b) Pollution is allowed
c) Polluters must bear cost of damage d) Pollution is ignored
- (xi) Name a greenhouse gas released from paddy fields.
a) Carbon dioxide (CO₂) b) Methane (CH₄)
c) Nitrous oxide (N₂O) d) Ozone (O₃)
- (xii) Which type of pollution is caused by honking and loudspeakers?
a) Air Pollution b) Water Pollution
c) Noise Pollution d) Soil Pollution
- (xiii) What type of waste is generated from hospitals?
a) Electronic waste b) Municipal solid waste
c) Biomedical waste d) Industrial waste
- (xiv) What is the key pollutant from vehicle exhaust?
a) Sulphur dioxide (SO₂) b) Carbon monoxide (CO)
c) Methane (CH₄) d) Ozone (O₃)
- (xv) How does marine pollution affect marine life?
a) Increases reproduction in marine animals b) Improves water quality for aquatic species
c) Causes death and disease in marine organisms d) Enhances coral reef growth

Group-B

(Short Answer Type Questions)

3 x 5=15

2. Describe the scientific mechanisms behind climate change and global warming. (3)
3. Explain the interrelation between human health and environmental degradation. (3)
4. Illustrate how family welfare programmes contribute to population control and environmental management. (3)
5. Describe the relevance of the Polluter Pays Principle in Indian case law. (3)
6. Evaluate the role of international cooperation in addressing global warming. (3)

OR

- Evaluate the success of afforestation programs in India. (3)

Group-C

(Long Answer Type Questions)

5 x 6=30

7. Define sustainable development and discuss its key principles. (5)
8. Describe the importance of public participation in environmental protection. (5)
9. Explain the process and benefits of composting as a waste management strategy. (5)
10. Critically analyze the role of environmental education in promoting sustainable behavior. (5)
11. Evaluate the policy framework for waste management in urban India. (5)
12. Critically assess the contribution of NGOs in shaping India's environmental policies. (5)

OR

- Examine the environmental and social impacts of large dam projects in India. (5)