

### GREEN Olympiad Empowering young minds since 1999

TERI organizes GREEN Olympiad since 1999 and in the process has groomed generations of students and youth into responsible citizens, well versed with principles of sustainability. The overarching objective of the programme is to sensitize and build capacities of students on issues related to environment, sustainability, Mission LiFE, and green skills. The importance of Olympiads is also articulated in the National Education Policy (NEP), 2020 and the National Curriculum Framework, 2023. It also draws its linkages with 'Goal 4 – Target 7' (SDG 4.7) which states, 'ensure all learners acquire knowledge and skills needed to promote sustainable development, including among others through education for sustainable development and sustainable lifestyles, human rights, gender equality, promotion of a culture of peace and non-violence, global citizenship, and appreciation of cultural diversity and of culture's contribution to sustainable development by 2030.'

For more information, www.teriin.org/olympiad

#### **INSTRUCTIONS**

- 1. This paper contains a total of 22 pages.
- 2. This paper is a compilation of questions for all four levels, mentioned below.
- 3. There are 50 MCQs (multiple choice questions) for each level.
- 4. Please identify the question numbers as per your level.

Level	Class	Question Numbers	Page Numbers
Level I	Std. 4 and 5	Questions 1–50	Pg. No. 4-7
Level II	Std. 6, 7 and 8	Questions 51–100	Pg. No. 8-12
Level III	Std. 9 and 10	Questions 101–150	Pg. No. 13-17
Level IV	Std. 11 and 12	Questions 151–200	Pg. No. 18-22

- 5. The duration of the examination is one hour.
- 6. There is no negative marking.
- 7. Kindly go through the OMR sheet and fill your personal details like name, roll number, etc., properly.
- 8. For each question, indicate your answer by darkening the appropriate oval in the OMR sheet only with an HB pencil or ball pen (in black or blue ink) in the OMR sheet as shown below.



- 9. Please ensure that you are marking your answer against the correct question number in the OMR sheet and as per your grade and level.
- 10. Use of laptop, tablet, mobile phone, etc., are strictly prohibited during the examination.

## Level I - Std. 4 & 5

- Reforestation means planting trees in areas where forests were recently cleared. Name the process of planting trees on land that was previously not forested.
  - a) Desertification
  - b) Afforestation
  - c) Pollution
  - d) Deforestation
- Compost is a mixture that consists of decayed organic matter and is used as a fertilizer.
   Composting helps in reducing:
  - a) Plastic waste
  - b) Kitchen waste
  - c) Noise pollution
  - d) Air pollution
- 3. Which of the following is a benefit of planting more trees?
  - a) Increases traffic
  - b) Reduces rainfall
  - c) Improves air quality
  - d) Causes deforestation
- 4. Which amongst the following items takes the longest time to decompose?
  - a) Banana peel
  - b) Cotton cloth
  - c) Glass bottle
  - d) Paper
- 5. How can you reduce plastic waste at school?
  - a) Use steel tiffins and water bottles
  - b) Carry cloth bags
  - c) Use steel cutlery
  - d) All the options listed here
- 6. Natural resources are materials derived from nature that have an economic and practical value to humans. These resources include water, air, soil, minerals, forests, fossil fuels, etc. Which of the following is a natural resource?
  - a) Brick
  - b) Iron
  - c) Plastic
  - d) Cement

- 7. Which of the following practice/s helps in conserving electricity at home?
  - a) Switching off lights when not in use
  - b) Using LEDs
  - c) Using daylight as much as possible
  - d) All the options listed here
- 8. Which of these animals is most affected by microplastics in oceans?
  - a) Lion
  - b) Turtle
  - c) Zebra
  - d) Polar bear
- 9. Which items from the following options fall under the category of electronic waste (e-waste)?
  - a) Used batteries
  - b) Non-functional mobile phones
  - c) Non-functional chargers
  - d) All the options listed here
- 10. Where should one discard e-waste?
  - a) Dustbin
  - b) Dump yard
  - c) Sell it to waste collectors
  - d) Deposit in e-waste collection centre
- 11. What is the name of India's 'lifestyle change' movement for the planet?
  - a) Life on Mars
  - b) Mission LiFE
  - c) Green India Plan
  - d) Save Planet India
- 12. Which factor determines whether an object will float or sink in water?
  - a) Weight
  - b) Colour
  - c) Size
  - d) Shape
- Who is the current Union Minister for Environment, Forest and Climate Change, Government of India (as of September 2025)?
  - a) Mr Amit Shah
  - b) Mr Bhupender Yadav

- c) Mr Nitin Gadkari
- d) Dr S Jaishankar
- 14. Which major environmental issue is the 'Great Pacific Garbage Patch' related to?
  - a) Deforestation
  - b) Coral mining
  - c) Plastic waste
  - d) Nuclear waste
- 15. Air quality is a serious concern in major metro cities of India. Which app helps to track air quality in Indian cities?
  - a) Arogya Setu
  - b) AQI India
  - c) SAFAR
  - d) BHIM
- 16. Which government scheme encourages Indian companies and start-ups to develop, manufacture and assemble products in India, and incentivize dedicated investments into manufacturing and promote skill development?
  - a) Beti Bachao
  - b) Swachh Bharat Mission
  - c) Make in India
  - d) Ayushman Bharat
- 17. Which amongst the following is categorized as a green job?
  - a) Banker
  - b) Doctor
  - c) Environment educator
  - d) Lawyer
- 18. Which of the following experts will help in water conservation?
  - a) Borewell drilling experts
  - b) Rainwater harvesting experts
  - c) Electricians repairing geysers
  - d) None of the options listed here
- 19. A career in forest conservation requires knowledge about:
  - a) Forestry-related government schemes
  - b) Dynamics of forest ecosystem
  - c) Taxonomy of flora and fauna
  - d) All the options listed here
- 20. Solar energy is derived from the sun. Which device can harness solar energy at home?
  - a) Gas stove
  - b) Geyser

- c) Solar cooker
- d) Diesel generator
- 21. Non-renewable energy sources are finite and are not replenished as fast as they are consumed. Which of the following is a non-renewable energy source?
  - a) Wind
  - b) Coal
  - c) Solar
  - d) Hydro
- 22. What are the features of Green Economy?
  - a) Well-being of citizens
  - b) Reduced environmental risks
  - c) Resource efficiency
  - d) All the options listed here
- 23. Turning off lights when not in use is a sign of:
  - a) Laziness
  - b) Sustainable living, eco-friendly lifestyle
  - c) Forgetfulness
  - d) Overwork
- 24. Why is wasting food a problem for the planet?
  - a) It results in food insecurity
  - b) It results in wastage of resources
  - If food waste is not managed properly, it leads to increased carbon footprint
  - d) All the options listed here
- 25. What can children do to support green living?
  - a) Demand solo car rides
  - b) Use more air conditioners
  - c) Reuse items
  - d) Litter on roads
- 26. If your friends throw a plastic wrapper on the ground, what should you do?
  - a) Join them in creating more waste
  - b) Stay quiet to avoid fights and quarrels
  - c) Educate them to throw it in a bin
  - d) None of the options listed here
- 27. What are the benefits of walking or cycling for short distance travel?
  - a) Reduction in pollution
  - b) Traffic management
  - c) Stay physically fit
  - d) All the options listed here
- 28. How can children influence their families to go green?

- a) By taking car rides for shorter distances
- b) By assisting in waste segregation at home
- c) By taking long duration showers
- d) By increasing their screen time
- 29. What happens when you turn off taps when not in use?
  - a) Water is conserved
  - b) No impact
  - c) Water is wasted
  - d) None of the options listed here
- 30. Why do desert plants like cactus have spines instead of leaves?
  - a) To absorb more sunlight
  - b) To protect from sandstorms
  - c) To reduce water loss through evaporation
  - d) To trap insects
- 31. Which of the following shows the correct sequence of digestion in humans?
  - a) Stomach [] Mouth [] Intestine
  - b) Mouth [] Stomach [] Intestine
  - c) Mouth [] Intestine [] Stomach
  - d) Intestine [] Mouth [] Stomach
- 32. Why is the sky blue during the day but appears orange during sunset?
  - a) The sun changes colour
  - b) There is more moisture in the air
  - Scattering of sunlight occurs differently based on angle
  - d) Clouds change shape
- 33. A magnet attracts which of the following metals?
  - a) Aluminium
  - b) Iron
  - c) Gold
  - d) Brass
- 34. The water cycle is the continuous movement of water on, above, and below Earth's surface, powered by the sun's energy and gravity. Which of the following statements is true about water cycle?
  - a) It only happens in oceans
  - b) Water changes its form
  - c) Water disappears on land
- 35. Some substances do not degrade and remain as such in the environment for several years. What are these substances known as?

- a) Biodegradable
- b) Non-biodegradable
- c) Perishable
- d) Exhaustible
- 36. Which of the following can easily decompose in the soil?
  - a) Plastic ware
  - b) Glass bottles
  - c) Metal rings
  - d) Tree leaves
- 37. What are non-renewable energy sources formed from the remains of ancient plants and animals called?
  - a) Non-conventional fuels
  - b) Fossil fuels
  - c) Wind-based energy source
  - d) Geothermal
- 38. Plastic pollution has a harmful impact on marine life. Large pieces of plastics directly injure marine animals, while smaller and micro plastics cause internal damage and fatality. How do plastics in the sea impact animals?
  - a) Entanglement
  - b) Ingestion
  - c) Toxic contamination
  - d) All the options listed here
- 39. Which of the following actions can help in reducing plastic pollution?
  - a) Use cloth bags during shopping
  - b) Refuse use of mineral water in plastic bottles
  - c) Carry your own steel cup for consumption of beverages
  - d) All the options listed here
- 40. Roots and shoots are the two main parts of a plant. Which of these parts is primarily located underground and functions to anchor the tree, absorb water and nutrients from the soil?
  - a) Branches
  - b) Trunk
  - c) Roots
  - d) Shoots
- 41. The world has been warming up quickly over the past 100 years or so. Which term is used for the long-term shift in the Earth's average temperatures and weather conditions?

- a) Climate change
- b) Acid rain
- c) Smog
- d) Pollution
- 42. Which of the following effects are triggered by climate change?
  - a) Intense heatwaves and heavy rainfall
  - b) Rapid melting of glaciers and ice sheets
  - Huge declines in Arctic sea-ice and warmer oceans
  - d) All the options listed here
- 43. Which Indian Ministry is responsible for the planning, promotion, co-ordination and overseeing the implementation of India's environmental and forestry policies and programmes?
  - The Ministry of Environment, Forest and Climate Change (MoEFCC)
  - b) The Ministry of Earth Sciences (MoES)
  - c) The Ministry of Civil Aviation (MoCA)
  - d) The Ministry of Housing and Urban Affairs (MoHUA)
- 44. Which Indian Prime Minister launched the Swachh Bharat Abhiyan in the year 2014? It has since then become a mass movement for cleanliness.
  - a) Shri Narendra Modi
  - b) Shri Manmohan Singh
  - c) Shri Atal Bihari Vajpayee
  - d) Shri Narasimha Rao
- 45. The greenhouse effect is a natural process wherein certain gases in the Earth's atmosphere trap heat, warming the planet to a temperature suitable for life. Which of the following is not a greenhouse gas?
  - a) Water vapour
  - b) Carbon dioxide
  - c) Methane
  - d) Oxygen
- 46. Did you know that the household sewage is also a water pollutant? It contains various impurities that can contaminate water sources and negatively impact human health and the environment. Household sewage has presence of bacteria, viruses, and parasites which can be a cause for which of the following diseases?

- a) Cholera
- b) Typhoid
- c) Gastroenteritis
- d) All the options listed here
- 47. When is the Earth Day observed?
  - a) 22nd March
  - b) 22nd April
  - c) 22nd May
  - d) 22nd June
- 48. Water vapour is which state of water?
  - a) Gaseous
  - b) Liquid
  - c) Solid
  - d) None of the options listed here
- 49. Edible mushrooms are derived from?
  - a) Algae
  - b) Fungi
  - c) Insects
  - d) None of the options listed here
- 50. Which of the following is not an example of green transport?
  - a) CNG vehicles
  - b) Diesel vehicles
  - c) Bicycles
  - d) Electric vehicles

### Level II - Std. 6, 7 & 8

- 51. Illegal wildlife trade encompasses a range of illegal activities such as, poaching, smuggling, and trade of wildlife and their body parts. Which of the following wildlife species are threatened by illegal trade of ivory?
  - a) Pangolins
  - b) Rhinos
  - c) Elephants
  - d) Tigers
- 52. Which term is used for a distinct geographical region in which plants and animals co-exist naturally, often sharing common characteristic features?
  - a) Biome
  - b) Ecosystem
  - c) Habitat
  - d) Biodiversity
- 53. Biotic factors are living components of an ecosystem. Which amongst the following fall under the biotic category?
  - a) Plants
  - b) Land
  - c) Soil
  - d) Water
- 54. Which of the following is not a threat to the environment?
  - a) Pollution
  - b) Deforestation
  - c) Habitat destruction
  - d) Afforestation
- 55. Fossil fuels are the remains of dead \_\_\_\_\_ that have been buried under layers of earth for millions of years, undergoing a transformation process due to intense heat and pressure to form coal, oil, and natural gas.
  - a) Plants
  - b) Animals
  - c) Both a and b
  - d) None of the options listed here
- 56. World Water Day is commemorated to spread awareness on the importance of freshwater.

The theme of World Water Day 2025 was 'Glacier Preservation'. Which day of the year is World Water Day celebrated?

- a) 22 April
- b) 05 June
- c) 09 April
- d) 22 March
- 57. Where in India is Kaziranga National Park located?
  - a) West Bengal
  - b) Rajasthan
  - c) Kerala
  - d) Assam
- 58. Name the non-binding action plan for sustainable development adopted by over 178 governments at the 1992 United Nations Conference on Environment and Development (UNCED) in Rio de Janeiro, Brazil.
  - a) Agenda 21
  - b) Paris Agreement
  - c) Kyoto Protocol
  - d) Montreal Protocol
- 59. What measures can we adopt to minimize waste generation and improve waste management?
  - a) Reduce the usage of plastic products
  - b) Use a cloth or jute bag for shopping
  - c) Make use of both sides of a piece of paper
  - d) All the options listed here
- 60. Definition: Species of plants and animals which are found exclusively in a particular area, e.g., kangaroos in Australia. Which of the following category of species perfectly fits the above definition?
  - a) Extinct species
  - b) Vulnerable species
  - c) Endemic species
  - d) Rare species
- 61. Which of the following is not a source of water pollution?
  - a) Industrial waste discharge
  - b) Agricultural runoff

- c) Rainwater
- d) Sewage discharge
- 62. Pick the correct sequence of celestial bodies ranging from nearest to farthest from the sun.
  - a) Neptune Uranus Saturn
  - b) Mercury Jupiter Earth
  - c) Jupiter Earth Venus
  - d) Mercury Venus Earth
- 63. An example of a renewable resource is
  - a) Coal
  - b) Water
  - c) Natural gas
  - d) Petrol
- 64. Which of the following statements best describes condensation?
  - a) The conversion of water into vapour
  - b) The process of water changing from a liquid state to gaseous form
  - The formation of clouds from tiny water droplets
  - d) The conversion of water vapour into liquid state
- 65. Plants break down glucose and release energy by a process called \_\_\_\_\_. They utilize oxygen and release carbon dioxide in this process.
  - a) Respiration
  - b) Photosynthesis
  - c) Transpiration
  - d) Germination
- 66. In 2025, Madhav National Park has been designated as India's 58th tiger reserve. In which State is the park located?
  - a) Maharashtra
  - b) Madhya Pradesh
  - c) Kerala
  - d) Tamil Nadu
- 67. What was the theme of World Environment Day 2025 held on 05 June every year?
  - a) Beat Plastic Pollution
  - b) Generation Restoration
  - c) Land Restoration, Desertification and Drought Resilience
  - d) Beat Air Pollution
- 68. In 2024, which Indian city entered the Guinness Book of World Records by planting 11 lakh saplings in a day?

- a) Ayodhya, Uttar Pradesh
- b) Indore, Madhya Pradesh
- c) Jodhpur, Rajasthan
- d) Vadodara, Gujarat
- 69. Which country hosted the 2024 United Nations Climate Conference (COP29)?
  - a) France
  - b) Azerbaijan
  - c) India
  - d) Brazil
- 70. From the following options, choose the primary pollutant that contributes majorly to Delhi's poor air quality in winter season?
  - a) Carbon dioxide
  - b) PM25
  - c) Oxygen
  - d) Nitrogen
- 71. GRAP (Graded Response Action Plan) is a set of emergency measures to address severe air pollution in the Delhi-NCR region of India. Implemented by the Commission for Air Quality Management (CAQM), it involves four stages of actions triggered by rising pollution levels. Which commercial activity is restricted under GRAP during very poor air quality days in Delhi?
  - a) Banking
  - b) Construction and industrial activities
  - c) Healthcare
  - d) Education
- 72. Consider these actions by few middle school students:
  - Vidya does not turn off the light switch when she leaves her room.
  - Jennifer does not segregate her waste into dry and wet waste because the garbage collector told her that it will go to the same landfill.
  - Shubh turns off the water tap while brushing his teeth every day.
  - Govind feeds the monkeys and dogs in the local temple.
     Who amongst the following is practicing environment-friendly habits?
  - a) Vidya
  - b) Jennifer
  - c) Shubh
  - d) Govind
- 73. Why should you not throw waste into water?

- a) Water will get polluted
- b) Incidence of water-borne diseases
- c) Scarcity of potable water
- d) All the options listed here
- 74. There are three Rs which you can apply to manage waste – Reduce, Reuse and Recycle. Which of the following is an example of 'Reuse'?
  - Donate your old books to someone who needs them
  - b) Use electronic documents instead of paper
  - c) Say "No" to a plastic straw
  - d) Convert waste into useful products
- 75. Which of the following options is a practice to conserve energy?
  - a) Switch off lights, fans, TV and other electrical items, when not in use
  - b) Keep vessels covered with a lid during cooking
  - Use electric items such as air conditioners, geysers, heaters, etc., only when necessary
  - d) All the options listed here
- 76. Recycling is the third R in the original waste management hierarchy. Why is it important to recycle waste?
  - a) To conserve natural resources
  - b) To reduce pollution
  - c) To decrease waste accumulation in a landfill
  - d) All the options listed here
- 77. Which of the following practices best describes sustainable development?
  - a) Consuming resources
  - Meeting needs of the present without compromising the needs of future generations
  - c) Ignoring environmental problems
  - d) Concentrating on economic progress
- 78. In which way/s students can help in reducing their carbon footprint?
  - a) Buying latest electronics gadgets
  - b) Consuming processed food
  - c) Walking or cycling for shorter distances
  - d) Not segregating household waste
- 79. Raju says that composting is a good practice because it:
  - a) Smells nice
  - b) Reduces food waste and enriches soil

- c) Attract pests
- d) Occupies extra space in the backyard
- 80. Global warming is mainly caused by:
  - a) Planting trees
  - b) Burning fossil fuels
  - c) Recycling
  - d) Riding bicycles
- 81. Which of the following is not a common symptom of a water-borne disease?
  - a) Skin rashes
  - b) Loose motion
  - c) Dehydration
  - d) Shortness of breath
- 82. Which of the following animals will be at the top of the food chain in a water-based environment?
  - a) Gharial
  - b) Sea lion
  - c) Great white shark
  - d) King cobra snake
- 83. Vishal wants to help the environment by segregating his household waste. Which of the following items should he put into the 'wet waste' dustbin?
  - a) Empty plastic bottles
  - b) Banana peels and vegetable scraps
  - c) Broken glass pieces
  - d) Old batteries and electronic items
- 84. Sunita goes to a shopping mall and buys a new pair of jeans. She refuses to accept a plastic bag to pack her purchase and chooses to carry it in her own cloth bag. What kind of environmental problem is Sunita helping to reduce?
  - a) Saving water used in washing and dyeing of new clothes
  - b) Preventing plastic from entering landfills and water bodies
  - c) Greenhouse gas emissions caused by shopping mall operations
  - d) Preventing air pollution
- 85. Methane is a potent greenhouse gas with global warming potential roughly 30 times greater than carbon dioxide over a period of 100 years. Which sector contributes the most to methane emissions in India?
  - a) Energy production
  - b) Agriculture sector

- c) Waste management
- d) Deforestation
- 86. What is the term for the official permission that industries must get from pollution control boards before starting a project?
  - a) Green Card
  - b) Consent to Establish
  - c) Eco-Friendly Label
  - d) Sustainability Approval
- 87. Wildlife sanctuaries help protect animals and plants, but they also provide benefits to local people living in and around the park. Which of the following is a key economic benefit that wildlife sanctuaries offer to local communities?
  - a) Farming will be easier in controlled lands
  - Increased hunting to control animal numbers
  - Opportunities for sustainable tourism and jobs
  - d) Local people will get to see exotic animals more frequently
- 88. Your school has organized a tree-plantation day. Which eco-friendly action should you adopt?
  - a) Participate in the activity and encourage others to join too
  - b) Consider it as free time and enjoy singing songs with friends
  - c) Pretend to be sick and skip school that day
  - d) Join the event to collect the participation certificate
- 89. Which among the following shows the correct order of biological structure from smallest to largest?
  - a) Tissue Organ Cell
  - b) Cell Nucleus Brain
  - c) Cell Tissue Organ
  - d) Organ Cell Tissue
- 90. Deserts are not limited to hot regions but can also be in colder regions. Which continent has the largest desert (hot or cold) on Earth?
  - a) Asia
  - b) South America
  - c) North America
  - d) Antarctica
- 91. Every year in early July, community members, local leaders, and students across India come

together to plant saplings and raise awareness about environmental issues, among other activities. What is this event commonly known as?

- a) Earth Day
- b) World Environment Week
- c) Van Mahotsav
- d) Hariyali Utsav
- 92. Which gas causes most of the warming of Earth's atmosphere due to pollution from cars and factories?
  - a) Carbon monoxide
  - b) Methane
  - c) Carbon dioxide
  - d) Nitrous oxide
- 93. What is the term that refers to long-term shifts in temperatures and weather patterns?
  - a) Climate stability
  - b) Climate variability
  - c) Climate change
  - d) Climate inertia
- 94. Wastewater treatment is important to minimize pollution levels. Which of the following is not a method of wastewater treatment?
  - a) Filtration
  - b) Sedimentation
  - c) Incineration
  - d) Biological treatment
- 95. What is the main reason for the melting of glaciers in the Himalayas?
  - a) Infrastructure development
  - b) Air pollution
  - c) Global warming
  - d) Urbanization
- 96. Which Indian animal amongst the following option is considered a symbol of conservation success, with its population steadily increasing due to conservation efforts?
  - a) Indian elephant
  - b) Snow leopard
  - c) Asiatic lion
  - d) Indian rhinoceros
- 97. Star Label is a programme run in India by the Bureau of Energy Efficiency (BEE) that promotes energy efficiency. BEE falls under the aegis of which ministry?

- a) Ministry of New and Renewable Energy
- Ministry of Electronics and Information Technology
- Ministry of Environment, Forest and Climate Change
- d) Ministry of Power
- 98. The Mission LiFE (Lifestyle for Environment) is a public movement that encourages people to adopt sustainable lifestyles and become
  - a) Pro-Planet People
  - b) Product-Process People
  - c) Planet-Profit People
  - d) Process-Product People
- 99. What are carrots, turnips, radishes, collectively known as?
  - a) Tuber crops
  - b) Root vegetables
  - c) Short vegetables
  - d) Compact vegetables
- 100. Apiculture is a commercial practice that is conducted in apiaries, which are established in areas with abundance of flowering plants. What is apiculture?
  - a) Apple farming
  - b) Bee farming
  - c) Apricot farming
  - d) None of the options listed here

# Level III - Std. 9 & 10

- 101. Biotic components encompass all living organisms and their interactions within an ecosystem, including plants, animals, and microorganisms. Which of the following is an example of a biotic component in an ecosystem?
  - a) Rock
  - b) Soil
  - c) Plant
  - d) Water
- 102. Which fuel is considered a cleaner fuel because it produces only water vapour on combustion?
  - a) Coal
  - b) LPG
  - c) Hydrogen
  - d) Kerosene
- 103. The Montreal Protocol phased out production and use of ozone-depleting substances like CFCs. How can manufacturing of CFC-free refrigerators help in preventing damage to Earth's ozone layer?
  - a) This will help convert oxygen molecules into ozone
  - b) This will help convert CFCs into ozone molecules
  - c) This will reduce production of CFCs from oxygen molecules
  - d) This will reduce release of CFCs that react with ozone molecules
- 104. Which parameter is commonly used to assess the organic pollution load in water bodies?
  - a) pH
  - b) BOD (Biochemical Oxygen Demand)
  - c) TDS (Total Dissolved Solids)
  - d) DO (Dissolved Oxygen)
- 105. Which atmospheric layers are responsible for absorbing most of the sun's harmful ultraviolet radiation?
  - a) Stratosphere
  - b) Troposphere
  - c) Mesosphere
  - d) lonosphere

- 106. A biosphere reserve is a protected area of natural, terrestrial, coastal, or marine ecosystems, recognized by UNESCO's Man and the Biosphere (MAB) Programme. Which of the following Indian reserves is a biosphere reserve?
  - a) Gulf of Mannar
  - b) Nilgiri
  - c) Panna
  - d) All the options listed here
- 107. Which of these elements when present in drinking water can lead to numerous fatal diseases?
  - a) Phosphorus
  - b) Calcium
  - c) Arsenic
  - d) None of the options listed here
- 108. The most abundantly available fossil fuel in India is \_\_\_\_\_.
  - a) Coal
  - b) Petroleum
  - c) Mineral oil
  - d) Natural gas
- 109. What is the most important driving force of any ecosystem?
  - a) Carbohydrates
  - b) Solar energy
  - c) Biomass
  - d) Soil
- 110. What is the uppermost layer of leaves and branches formed by tall trees, creating a dense, roof-like covering over the area beneath called?
  - a) Tree canopy
  - b) Tree machans
  - c) Forest mat
  - d) Forest moss
- 111. Akshay Urja Diwas is celebrated annually in India to propagate the message of energy conservation and spread the importance of renewable energy. When is the day commemorated?

- a) 15 July
- b) 22 May
- c) 20 August
- d) 05 June
- 112. Biodiversity hotspots are ecologically rich regions on Earth, characterized by high numbers of endemic species. How many biodiversity hotspots are there in the world?
  - a) 36
  - b) 32
  - c) 28
  - d) 18
- 113. One of the biggest industrial disasters happened in 1984 in Bhopal, India due to the leakage of a gas, impacting over 5 lakh people. Which of the following was responsible for this disaster?
  - a) Chlorine
  - b) Carbon dioxide
  - c) Methyl isocyanate (MIC)
  - d) Ammonia
- 114. What is the process of capturing atmospheric carbon dioxide and its storage called?
  - a) Carbon sequestration
  - b) Carbon dilution
  - c) Carbon emission
  - d) Carbon radiation
- 115. The Intergovernmental Panel on Climate Change (IPCC) was established in 1988 by the World Meteorological Organization (WMO) and the United Nations Environment Programme (UNEP). Which of the following correctly describes the role of the IPCC?
  - a) It provides financial aid to countries for climate change projects
  - b) It negotiates global treaties on climate change
  - It assesses scientific information related to climate change and advises policymakers
  - d) It monitors emissions from developing countries only
- 116. Which of the following has a temporary cooling effect on the Earth's surface by reflecting sunlight and is a key component of air pollution?
  - a) Aerosol
  - b) Greenhouse gases

- c) Ozone
- d) Methane
- 117. What enables the conversion of light energy into electrical energy in a solar cell?
  - a) Physical effect
  - b) Atmospheric effect
  - c) Magnetic effect
  - d) Photovoltaic effect
- on Earth is stored in various forms such as glaciers, rivers, lakes, and underground reservoirs.
  - a) Fresh water
  - b) Saline water
  - c) Marine water
  - d) Ground water
- 119. Which of the following methods involves burning municipal solid waste at high temperatures in a specially designed furnace?
  - a) Landfill
  - b) Incineration
  - c) Recycling
  - d) Vermi-composting
- 120. Which of the following statements are true for plastics?
  - a) Plastics do not decompose easily
  - b) Plastics comes in different sizes
  - Plastics contain different types of polymer resins
  - d) All the options listed here
- 121. Which water purification technique is most suitable for removing dissolved salts from seawater?
  - a) Filtration
  - b) Distillation
  - c) Sedimentation
  - d) Chlorination
- 122. The practice of protecting an endangered species in its natural habitat is called:
  - a) Ex-situ conservation
  - b) In-situ conservation
  - c) Captive breeding
  - d) Hybridization
- 123. Which country hosted the 2025 World Hydrogen Summit, where India presented its National Green Hydrogen Mission?

- a) The Netherlands
- b) Germany
- c) The United States of America
- d) South Korea
- 124. Which country has proposed the creation of a Global Climate Council ahead of COP30? Global Climate Council aims to streamline climate decision-making, accelerate action, and enhance global coordination under the United Nations Framework Convention on Climate Change (UNFCCC).
  - a) Brazil
  - b) Germany
  - c) India
  - d) Canada
- 125. Net-zero emission refers to a state where the amount of greenhouse gases released into the atmosphere is balanced by the amount removed, effectively halting global warming. By which year does India aim to achieve net-zero emissions?
  - a) 2050
  - b) 2070
  - c) 2060
  - d) 2040
- 126. What is India's current renewable energy target for 2030?
  - a) 200 GW
  - b) 300 GW
  - c) 400 GW
  - d) 500 GW
- 127. \_\_\_\_\_ Sites are internationally recognized wetlands designated under the Ramsar Convention on Wetlands. There are three additional wetlands designated in this category in India on World Wetlands Day 2024.
  - a) Ramsar
  - b) Mangrove
  - c) Endemic
  - d) None of the options listed here
- 128. On which day, the Hon'ble Prime Minister of India, Shri Narendra Modi, launched, "Ek Ped Maa Ke Naam" campaign, a unique initiative combining environmental responsibility with a heartfelt tribute to mothers?
  - a) World Environment Day 2024
  - b) Mother's Day 2025

- International Day for Biological Diversity 2024
- d) World Wildlife Conservation Day 2025
- 129. What are some of the environmental problems caused by using synthetic fertilizers?
  - Alteration of the chemical composition of soil
  - b) Increase in water pollution load
  - c) Enhance greenhouse gas emission
  - d) All the options listed here
- 130. A steel factory burns firewood and charcoal for heating and melting steel. What is the immediate environmental problem due to this practice?
  - a) Decrease in ambient temperature
  - b) Increase in air pollution
  - c) Decrease in air pollution
  - d) Increase in water pollution
- 131. Which of the following is an example of a renewable resource?
  - a) Nuclear energy
  - b) Hydro energy
  - c) Compressed natural gas
  - d) Natural gas
- 132. The Ministry of Skill Development and Entrepreneurship, Government of India has set up the \_\_\_\_\_\_\_. It is working towards developing competencies of people in the domain of renewable energy, sustainable development, and waste management.
  - a) Skill Council of Green Jobs
  - b) Green Council of Development
  - c) Sustainable Skills and Jobs Council
  - d) Eco Workforce Development Authority
- 133. Priya notices students throwing leftover food, fruit peels, and plastics into the same bin. What is the most environmentally responsible step she can take?
  - a) Ask students to throw only food waste in that bin and ignore the rest
  - Tell the school to stop giving fruit during lunch
  - Label the bin properly and request the school to start separate bins for wet and dry waste
  - d) Remove the bins completely and throw the waste on playgrounds

### 16 GREEN OLYMPIAD QUESTION PAPER-II 2025

- 134. What is the primary goal of Mission LiFE?
  - To build a global infrastructure for renewable energy
  - To mobilize at least one billion people to follow sustainable lifestyles
  - c) To develop new climate technology
  - d) To ban all plastic products
- 135. What is the significance of one of the first environmental movement, The Chipko Movement in India?
  - A non-violent protest for deforestation, leading to greater awareness of forest protection
  - A movement advocating sustainable agriculture and rural development
  - A campaign for wildlife preservation and combating poaching
  - d) A movement focused on promoting renewable energy sources
- 136. Which of the following actions can communities take to fight urban flooding during monsoon seasons?
  - a) Cut down roadside trees to prevent blockage
  - b) Cover all open lands with concrete
  - c) Create more green spaces and install rainwater drains
  - Build more shopping malls in low-lying areas
- 137. Your school switches to LED lighting in all classrooms. Typically how much energy will an LED bulb save compared to an old incandescent bulb?
  - a) Saves around 10%
  - b) Saves around 25%
  - c) Saves around 50%
  - d) Saves around 75-90%
- 138. In order to move to a circular economy, we need to extend shelf life of the product. Which of the following strategies is/are helpful to extend the product shelf life?
  - a) Adopting good maintenance practice
  - b) Repair and reuse of the product
  - c) Redesign and recycling of the product
  - d) All the options listed here
- 139. A local community is protesting against a new industrial project near a wetland. The company

- claims it will bring jobs. Which of the following value-based actions best reflect environmental justice?
- Support the project because jobs are more important than wetlands
- Suggest building the factory deeper into the wetland to minimize impact
- Propose relocating the factory to a nonecologically sensitive area, following circularity in the operations and offering green jobs
- d) Stay neutral to avoid conflict
- 140. The Silent Valley Movement in Kerala (India) was successful in stopping the construction of which project that threatened to flood and destroy the Silent Valley Forest?
  - a) Silent Valley Nuclear power plant
  - b) Silent Valley Thermal power station
  - c) Silent Valley Hydroelectric project
  - d) Silent Valley Oil refinery
- 141. Which international agreement is a legally binding global treaty to limit global warming to well below 2 degrees Celsius, and preferably to 1.5 degrees Celsius, above pre-industrial levels?
  - a) Paris Agreement
  - b) Kyoto Protocol
  - c) Montreal Protocol
  - d) Earth Summit
- 142. Which Sustainable Development Goal (SDG) specifically focuses on taking urgent action to combat climate change and its impacts by regulating emissions, promoting climate resilience, and strengthening adaptive capacity?
  - a) SDG 7
  - b) SDG 12
  - c) SDG 13
  - d) SDG 15
- 143. Which of the following environment-friendly practices will enhance soil fertility and structure?
  - a) Burning crop residue
  - b) Organic manuring
  - c) Dumping plastic waste in soil
  - d) Monoculture practice
- 144. Of the following, which biome is characterized by having the highest biodiversity?
  - a) Tundra
  - b) Desert

- c) Rainforest
- d) Grassland
- 145. Name the nodal Indian institution responsible for incubating, curating and piloting Mission LiFE in collaboration with the MoEFCC, Gol.
  - a) Ministry of Education
  - b) NITI Aayog
  - c) Central Pollution Control Board
  - d) Department of Science and Technology
- 146. 118 countries signed a pledge at COP28 Climate Summit to triple the world's green energy capacity to 11,000 GW by which year?
  - a) 2027
  - b) 2030
  - c) 2035
  - d) 2040
- 147. \_\_\_\_\_\_ is the planting or adding of trees in an area where there was never a forest or plantation.
  - a) Deforestation
  - b) Afforestation
  - c) Reforestation
  - d) Restoration
- 148. Which of the following principles is not central to circular economy?
  - a) Eliminate waste and pollution
  - b) Circulating products and materials
  - c) Regenerate nature
  - d) Amplify waste
- 149. What are the 5 Ps of Sustainable Development Goals?
  - a) Pillars, People, Planet, Peace, and Partnership
  - b) People, Planet, Profit, Peace, and Partnership
  - c) People, Planet, Prosperity, Peace, and Partnership
  - d) People, Planet, Profit, Politics, and Peace
- 150. How does climate change impact human health?
  - a) Increase in zoonosis diseases
  - b) Increase in water-borne and vector-borne diseases
  - c) Eco-anxiety issues
  - d) All the options listed here

# Level IV - Std. 11 & 12

- 151. Carbon credits are traded in international markets to incentivize greenhouse gas emission reductions and facilitate global cooperation in addressing climate change. What does one carbon credit represent?
  - a) One tonne of coal saved
  - b) One hectare of afforestation
  - c) One tonne of COII equivalent avoided or sequestered
  - d) One kWh of solar energy
- 152. Which free-living, symbiotic nitrogen-fixing bacterium is commonly used in paddy fields as a biofertilizer to enhance rice growth and yield?
  - a) Azospirillum
  - b) Rhizobium
  - c) Anabaena
  - d) Pseudomonas
- 153. Renewable energy transition depends on advanced storage technologies. Which battery offers the highest energy density for grid-scale applications and are the most cost-effective solution for storage durations of 30 minutes to three hours?
  - a) Nickel-cadmium
  - b) Lead-acid
  - c) Lithium-ion
  - d) Sodium-sulphur
- 154. Biodiversity hotspots have ecological and conservation significance. Which of the following criterion must be met for a region to be declared a biodiversity hotspot (as per Conservation International)?
  - a) It must be a UNESCO World Heritage Site
  - b) It must contain at least 0.5% of Earth's freshwater species
  - c) It must have lost at least 70% of its original vegetation
  - d) It must host at least 50 endemic vertebrate species
- 155. Biomimicry is the practice of learning from and emulating nature's designs, processes, and systems to solve human challenges in a sustainable manner. One of its examples, Velcro (cloth/material fastener), was inspired by:

- a) Spider webs
- b) Lotus leaves
- c) Burr seeds
- d) Termite mounds
- 156. Plants can be used to accumulate organic contaminants, metabolize them, and encourage their microbial degradation in the root zone. Which term is used for this practice of using plants to clean up polluted environments?
  - a) Bioremediation
  - b) Phytoremediation
  - c) Chemical remediation
  - d) Mechanical remediation
- 157. Methanotrophs are key regulators of methane in natural systems. Which of the following would most strongly inhibit aerobic methanotrophic activity in rice paddy fields?
  - a) Increased soil organic matter
  - b) Enhanced nitrate levels
  - c) Waterlogging and reduced oxygen
  - d) Root exudation from plants
- 158. Global warming makes the oceanic surface layers less dense, creating a greater density difference with the colder, deeper water. This hinders the movement of essential nutrients to the upper ocean, thereby decreasing oceanic productivity and further enhance warming by trapping more heat near the ocean surface. What is this process of temperature gradient known as?
  - a) Ocean acidification
  - b) Ocean oxygenation
  - c) Ocean stratification
  - d) None of the options listed here
- 159. \_\_\_\_\_ is an agricultural system where two or more plant and/or animal species are grown together in the same place at the same time, mimicking the diversity of natural ecosystems.
  - a) Monoculture
  - b) Polyculture
  - c) Subsistence agriculture
  - d) Aquaculture

- 160. What is the primary ecological risk associated with assisted migration of species under climate stress?
  - The species may evolve faster than expected
  - b) It may cause genetic dilution of local populations
  - It can lead to ecosystem collapse due to overpopulation
  - d) The introduced species may become invasive in the new habitat
- 161. The ocean absorbs about 30% of the carbon dioxide (CO<sub>2</sub>) that is released in the atmosphere. When higher levels of CO<sub>2</sub> are absorbed by seawater, a series of chemical reactions occur resulting in the increased concentration of \_\_\_\_\_\_ions. This process impacts marine life.
  - a) Hydrogen
  - b) Oxygen
  - c) Nitrogen
  - d) Sulphur
- 162. Deforestation, soil erosion, and pollution alter land use reducing agricultural productivity. How does environmental degradation affect land use in India?
  - a) Increases forest cover
  - b) Promotes organic farming
  - c) Loss of arable land
  - d) Has no effect on land
- 163. Eutrophication is a process where water bodies become overly enriched with nutrients, often due to runoff from agriculture or sewage. What is a major environmental consequence of eutrophication in water bodies?
  - a) Increased oxygen levels for aquatic life
  - b) Enhanced biodiversity in aquatic ecosystems
  - c) Excessive algal growth leading to oxygen depletion
  - d) Improved water quality for human consumption
- 164. Some urban plants under chronic pollution stress may exhibit peculiar traits as a protective mechanism. Which of the following adaptations is most likely seen in plants growing in polluted urban environments?
  - a) Thinner leaves with low stomatal density
  - b) Increased transpiration
  - c) Presence of sunken stomata
  - d) High rate of photorespiration

- 165. Name a type of air pollution that occurs in urban areas with high traffic mobility, resulting from an interaction of sunlight with nitrogen oxides and volatile organic compounds (VOCs), leading to the formation of ozone and other harmful pollutants.
  - a) Photochemical smog
  - b) PAN (Peroxyacetyl nitrate)
  - c) CFCs (Chlorofluorocarbons)
  - d) None of the options listed here
- 166. Biological magnification refers to an increasing concentration of certain pollutants in organisms at higher levels of the food chain. The phenomenon of biological magnification is most closely associated with which class of pollutants?
  - a) Gaseous pollutants
  - b) Organic pesticides
  - c) Heavy metals
  - d) Fertilizers
- 167. Which parameter is used to assess the oxygen demand by microorganisms in a polluted water body?
  - a) COD (Chemical Oxygen Demand)
  - b) DO (Dissolved Oxygen)
  - c) BOD (Biological Oxygen Demand)
  - d) TOC (Total Organic Carbon)
- 168. Which of the following ions is mainly responsible for methemoglobinemia, commonly called "blue baby syndrome" caused by groundwater contamination?
  - a) Nitrate (NO00)
  - b) Ammonium (NHOO)
  - c) Phosphate (PO[]³[])
  - d) Sulphate (SO[2])
- 169. Which of the following combinations of greenhouse gases contributes most to global warming potential (GWP)?
  - a) COD and OD
  - b) CHO and COO
  - c) O and H O
  - d) D. No and Ar
- 170. As of June 2025, India has continued its momentum in wetland conservation by designating two new Ramsar Sites in Rajasthan—Khichan and Menar. Considering this update, what is the current total number of Ramsar Sites in India?

- a) 89
- b) 90
- c) 91
- d) 92
- 171. MISHTI is an initiative by the Ministry of Environment, Forest and Climate Change (MoEFCC), Government of India, which was launched on June 5, 2024, to restore and conserve mangrove ecosystems. What is the expanded form of the acronym MISHTI?
  - Mangrove Initiative for Sustainable Habitat and Integrated Tourism Infrastructure
  - Mangrove Initiative for Shoreline Habitats and Tangible Incomes
  - c) Marine Infrastructure Scheme for Habitat and Trade Integration
  - d) Management Initiative for Sustainable Habitat and Tropical Integration
- 172. EnviStats India is an annual publication by the Ministry of Statistics and Programme Implementation (MoSPI). What is the primary objective of the EnviStats India?
  - a) To track agricultural subsidies
  - b) To provide detailed environmental accounts and statistics
  - c) To compile GDP growth forecasts
  - d) To monitor population data
- 173. May 22 is observed as the International Day for Biological Diversity, with a new theme adopted each year to highlight global conservation goals. What was the official theme for the International Day for Biological Diversity 2025?
  - Restoring Ecosystems for a Sustainable Future
  - b) Building a Shared Future for All Life
  - Harmony with Nature and Sustainable Development
  - d) Biodiversity: Our Food, Our Health, Our Future
- 174. In which of the following biosphere reserves is the recently declared Greater Flamingo Sanctuary at Dhanushkodi, Ramanathapuram district, Tamil Nadu (India) located?
  - a) Gulf of Mannar Biosphere Reserve
  - b) Nandadevi Biosphere Reserve
  - c) Sundarbans Biosphere Reserve
  - d) Nilgiris Biosphere Reserve
- 175. In 2025, which Arctic countries saw recordbreaking May heatwaves that climate scientists link to human-driven climate change?

- a) Canada and Russia
- b) Greenland and Iceland
- c) Norway and Sweden
- d) USA and Canada
- 176. The 30th United Nations Climate Change Conference (COP30), scheduled for November 2025, will focus on advancing global climate action. Where will COP30 be held?
  - a) Nairobi, Kenya
  - b) Belém, Brazil
  - c) Jakarta, Indonesia
  - d) Lisbon, Portugal
- 177. Between August 2024 and mid-2025, Western Australia experienced its most severe coral bleaching due to sea temperatures □3 °C above normal. Which of the following reefs were especially impacted by this temperature rise?
  - a) Great Barrier Reef and Coral Sea
  - b) Red Sea and Persian Gulf
  - c) Caribbean and Galapagos
  - d) Ningaloo and Rowley Shoals
- 178. A company wants to reduce its carbon footprint while maintaining economic competitiveness. Which of the following combined approaches reflects a green skills-based strategy aligned with both sustainable development and economic viability?
  - a) Outsourcing production to countries with looser environmental laws
  - b) Shifting to renewable energy, adopting circular economy principles, and using environmental accounting
  - Focusing solely on carbon offsetting without modifying operations
  - d) Reducing staff to lower energy consumption
- 179. If the government of a country mandates that all new public infrastructure must meet netzero carbon standards, which sectors from the following will require the most significant upskilling and reskilling in green competencies?
  - a) Banking and finance
  - b) Construction, urban planning, materials science, and renewable energy
  - c) Retail and fast food
  - d) Arts and humanities
- 180. How do green skills support just transition for workers in carbon-intensive industries like coal or steel?
  - a) By gradually reducing their employment
  - b) By training them in unrelated service-sector

- jobs
- By equipping them with skills for renewable energy, environmental management, and green tech sectors
- d) By relocating them to urban areas
- 181. In urban environments, which of the following approaches requires integration of ecological knowledge, policy understanding, and technical design to create sustainable cities?
  - a) Building more shopping complexes
  - b) Implementing green roofs, smart energy grids, and low-impact transit systems
  - c) Expanding road networks
  - d) Encouraging terrace gardens
- 182. A rural district wants to achieve energy self-sufficiency while minimizing ecological disruption. Which of the following plan shows high-level integration of green skills?
  - a) Building a large coal plant for job creation
  - Importing solar panels without community involvement
  - Establishing decentralized solar microgrids, training locals in maintenance, and integrating local ecology in placement
  - d) Relying on firewood
- 183. A government plans to build a highway through a dense forest to improve transportation.
  Which of the following action reflects a sustainability-focused approach?
  - Support the project since it boosts economic development
  - b) Ignore the issue as development is inevitable
  - Propose an alternative route and initiate dialogue involving ecologists and local communities
  - d) Organize violent protests without understanding project details
- 184. An industry wants to offset its carbon footprint. Which action could unintentionally create a new environmental problem despite appearing "green"?
  - a) Organizing plantation drives with native species
  - b) Conducting waste segregation workshops
  - c) Reducing meat consumption in school canteens
  - d) Buying carbon credits from unverifiable sources

- 185. A local community from the hills installs solar panels to meet their electricity needs but destroys a biodiversity-rich hilltop to do so. Which of the following environmental values is being compromised?
  - a) Technological advancement
  - Environmental justice and ecological balance
  - c) Cost-effectiveness
  - d) Energy efficiency
- 186. Which of the following statements best explains why climate change is considered a "tragedy of the commons"?
  - a) Because it affects poor and rich countries equally
  - b) Because individuals acting in self-interest can deplete shared environmental resources
  - c) Because it is caused by natural disasters
  - d) Because communities always act too late
- 187. A company proclaims that it offsets its carbon emissions by planting trees but continues polluting the environment heavily. This is an example of:
  - a) Carbon neutrality
  - b) Environmental justice
  - c) Greenwashing
  - d) Sustainable development
- 188. Which of the following best reflects the principle of intergenerational equity?
  - Using all available resources to meet current needs
  - b) Investing in technologies that benefit only the present generation
  - c) Conserving resources to ensure future generations can meet their needs
  - d) Prioritizing economic growth over environmental protection
- 189. A friend of yours argues that individual efforts like carrying cloth bags don't matter when big companies pollute more. What will be your appropriate pro-environment response?
  - Agree with your friend and stop making personal efforts
  - b) Blame industries on social media
  - Acknowledge and work towards individual and systemic responsibility in improving the environmental conditions
  - d) Support protests against big industries

- 190. In recent years, many environmental initiatives have promoted tree plantation as a solution to the problems of climate change and land degradation. Why planting too many non-native trees in a dry region can be problematic?
  - a) It can disrupt native biodiversity
  - b) It may alter water balance
  - c) Both a and b
  - d) Only b
- 191. A company shifts to paper packaging to reduce plastic waste. However, their paper is sourced from clear-cut forests. What is the most accurate assessment of their sustainability approach?
  - a) It's better than using plastic, so it's acceptable
  - It reflects poor sustainability practice despite appearing to be eco-friendly
  - Forests regrow trees without any effort, so it's not a major concern
  - d) Use of single-use plastics is environment friendly
- 192. Which of the following best reflects the idea of "climate colonialism"?
  - Exporting clean energy technologies to developing countries
  - Imposing climate solutions on poorer nations without considering their needs or voices
  - Encouraging global cooperation on climate issues
  - d) Promoting local adaptation strategies
- 193. Which term is used to refer to the world's top biodiversity-rich countries?
  - a) a) Biogeographic regions
  - b) b) Redspots
  - c) c) Megadiverse countries
  - d) d) Habitat zones
- 194. Alaska, Greenland and Siberia are some of the fastest-warming regions on the planet. These
  Arctic environments are highly sensitive to even small temperature increases, which can melt sea ice, ice sheets, and permafrost, and lead to changes in the Earth's reflectance called
  - a) a) Albedo
  - b) b) Acclimatization
  - c) c) Adaptation
  - d) d) Allowance

- 195. PM<sub>2.5</sub> is generally defined as those particles with an aerodynamic diameter of 2.5 microns or less. Main sources include all types of combustion activities such as motor vehicles, power plants, wood burning, etc. What is another common name of these particles?
  - a) Small fraction particles
  - b) Fine fraction particles
  - c) Coarse fraction particles
  - d) Abrasive fraction particles
- 196. Which SDG is directly related to the health of our oceans?
  - a) SDG 14
  - b) SDG 6
  - c) SDG 13
  - d) SDG 7
- 197. The Amazon rainforest is a vast biome that spans \_\_\_\_\_\_ rapidly developing countries in South America.
  - a) Six
  - b) Nine
  - c) Eight
  - d) Three
- 198. Rise in temperatures of which atmospheric layer contributes to global warming?
  - a) Stratosphere
  - b) Troposphere
  - c) Ionosphere
  - d) Mesosphere
- 199. What is an umbrella species?
  - a) A species that defines a trait or characteristics of the environment
  - b) A species of plant that has umbrella-shaped leaves
  - A species of bird that is known for its ability to mimic sounds
  - d) A species that, if protected, indirectly protects other species in the same ecosystem
- 200. What is the focus of Mission LiFE in Phase II?
  - a) Change in supply patterns
  - b) Change in demand
  - c) Focus on individual actions
  - d) None of the options listed here

#### Mission Life

"LiFE" in Mission LiFE stands for "LiFEStyle for Environment", a relatively self-explanatory term, that the Hon'ble Prime Minister of India, Shri Narendra Modi, introduced on November 1, 2021, at COP26 (Conference of the Parties to the UNFCCC) in Glasgow, Scotland. It was added to India's Nationally Determined Contribution (NDC) on August 3, 2022, making India the first country to do so. It is aimed to be a mass movement for "mindful and deliberate utilization, instead of mindless and destructive consumption" of goods and services, especially natural resources in order to preserve and protect the environment. Mission LiFE encourages communities and individuals not to harm nature, and to adopt a lifestyle that is synchronous with nature. People who practice such a lifestyle and are active participants in Mission LiFE are called "Pro Planet People".

#### Pledge for Mission LiFE

(All the students are expected to take the Mission LiFE Pledge after the GREEN Olympiad Examination)

"I pledge to make all possible changes in my daily life to protect the environment. I also commit to continuously motivate my family, friends and others about the importance of environmentally friendly habits."

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