

October 22, 2024

## LEVEL IV: 11 and 12

151. What do you mean by the term, 'Biome'?
- An area classified according to the species that live in that location
  - Largest geographic biotic unit
  - A major community of plants and animals with similar life forms and environmental conditions
  - All the options listed above
152. What makes an area/region, an ecological hotspot?
- Areas with outstanding biodiversity or a high concentration of biological values
  - Areas that are most vulnerable to climate change impacts
  - Areas where there is a conflict between man and wildlife
  - Areas where there is no agriculture
153. An essay on the 'Principle of Population' warned of future difficulties, including an interpretation of the population increase vis-à-vis food production, leaving mankind in a condition of distress for the want of food. Who was the author of this book?
- Thomas Malthus
  - David Ricardo
  - Charles Darwin
  - Charles Dickens
154. Which genetically modified crop was a variant of herbicide tolerant "mustard"?
- Dhara Mustard Hybrid -11
  - BT Brinjal
  - BT Cotton
  - BT Corn
155. *Van Mahotsav* was initiated by the Ministry of Agriculture in 1950. It is considered as the annual tree planting festival. In which month is the festival celebrated in India?
- January
  - July
  - June
  - December
156. The \_\_\_\_\_ is the lowest layer of our atmosphere. Upwards from the ground, it extends to about 10 km above sea level.
- Troposphere
  - Stratosphere
  - Mesosphere
  - Ionosphere
157. The term 'Marble Cancer' is related to which monument in India?
- Taj Mahal
  - Qutub Minar
  - Red Fort
  - Victoria Memorial
158. Acid rain is caused by the emission of which gas?
- Sulphur dioxide
  - Nitrogen oxide
  - Both a & b
  - None of the options listed above
159. SAFAR is the first kind of advanced air quality early warning system. SAFAR stands for?
- Systematic Air Quality and Weather Forecasting and Research
  - System of Air Quality and Weather Forecasting And Research
  - System of Air Quantity and Weather forecasting and Research
  - Soil of Advanced Forensic and Adaptability Range
160. What does LIFE in Mission LIFE stands for?
- Living forest and ecology
  - Lifestyle for Environment
  - Like Forest and Environment
  - Life for Environment
161. Mission LIFE was announced by the Hon'ble Prime Minister of India, Shri Narendra Modi in which COP?
- COP26
  - COP27
  - COP25
  - COP28

162. Mission LIFE was launched in India in which state?
- Rajasthan
  - Gujarat
  - Bihar
  - Goa
163. As part of Mission LIFE, what does 3P's approach stand-for?
- Pro Planet People
  - Planet Pro People
  - Protect Planet Peace
  - Peace Prosperity Protect
164. Zabo system, Tanka and Johads are related to which of the following options?
- Scientific measurement tool
  - Tunnelling system
  - Water harvesting techniques
  - None of the options listed above
165. Which day is celebrated as World Wetlands Day?
- January 1
  - February 2
  - February 9
  - February 10
166. Thomas Malthus introduced a term to define the maximum population size our environment can sustain indefinitely. What is the term?
- Carrying capacity
  - Carbon footprint
  - Ecological footprint
  - None of the options listed above
167. Which amongst the following was/were added as Ramsar Wetlands Sites in 2024?
- Aghanashini Estuary
  - Magadi Kere Conservation Reserve
  - Longwood Shola Reserve Forest
  - All the options listed above
168. Which of the following states in India has maximum number of Ramsar sites?
- Tamil Nadu
  - Punjab
  - Uttar Pradesh
  - Himachal Pradesh
169. The World Restoration Flagship awards are a part of the UN Decade on Ecosystem Restoration which aims to prevent, halt, and reverse the degradation of ecosystems. Which agency leads these operations?
- UNEP
  - FAO
  - Both a & b
  - None of the options listed above
170. In early 2024, the 14th Meeting of the Conference of the Parties to the Convention on the Conservation of Migratory Species of Wild Animals (CMS COP14) was held in which country?
- Uzbekistan
  - Kazakhstan
  - Iran
  - Afghanistan
171. The Supreme Court on March 21, 2024 constituted a seven-member committee to find a balance between conservation measures for the Great Indian Bustard and efforts to generate renewable energy in the same regions. What is the positioning of the bird in IUCN's Red List of Threatened Species?
- Critically Endangered
  - Endangered
  - Vulnerable
  - None
172. Which term is used to describe a type of pollination whereby pollen of plants is distributed by insects?
- Hydrophily
  - Zoophily
  - Entomophily
  - Anemophily
173. The MSTRIPES programme utilizes GPS, GPRS, and remote sensing to acquire data from the field, to strengthen patrolling and surveillance of the animals in the wild. The programme is particularly used for which endangered species?
- Zebra
  - Tiger
  - Leopard
  - Elephant
174. Which of the following Indian reserves/national parks has the highest tiger population till date?
- Bandhavgarh National Park
  - Jim Corbett National Park
  - Kuno National Park
  - Rajaji National Park

175. These are dreaded evening thunderstorms in West Bengal and Assam. These showers are useful for tea, jute, and rice cultivation. What are these weather events known as?
- Loo
  - Blossom Shower
  - Kaal Baisakhi
  - Nau Tape
176. In which of following states in India, do we find E-type of climate as per Koeppen's classification?
- Kerala and Karnataka
  - West Bengal and Jharkhand
  - Jammu & Kashmir and Himachal Pradesh
  - Assam and Arunachal Pradesh
177. As per the Hindu calendar, six seasons (Ritu) are recognized in India. These are Vasanta (spring), Grishma (summer), Varsha (monsoon), Sharad (autumn), Hemanta (pre-winter), and \_\_\_\_\_.
- Shishira
  - Vayu
  - Prithvi
  - Agni
178. The coliform bacterial test is done to check the status of pollution in a water sample. It ascertains whether the sample has microscopic organisms usually found in our \_\_\_\_\_.
- Circulatory system
  - Respiratory system
  - Nervous system
  - Digestive system
179. ZABO is an ingenious method of catching rainwater from running off the mountains. In which Indian state is it practised?
- Arunachal Pradesh
  - Nagaland
  - Odisha
  - Meghalaya
180. After Oceans, which of the following has the highest percentage of water available on Earth?
- Atmosphere
  - Lakes
  - Soil moisture
  - Ice caps and glaciers
181. Why is low salinity trend observed in the Bay of Bengal?
- High evaporation and low influx of fresh water
  - High influx of river water as compared to the Arabian Sea
  - Due to enclosed seas
  - High rainfall patterns
182. The hydrological cycle consists of which of the following processes?
- Condensation
  - Precipitation
  - Evaporation
  - All the options listed above
183. A landfill is a large area designated by Urban Local Bodies (ULBs) to dump non-recyclable waste. Which gas is emitted from landfills when waste is degraded?
- Carbon monoxide
  - Nitrogen dioxide
  - Methane
  - Carbon dioxide
184. E-Waste (Management) Rules, 2022 is in force since April 1, 2023 to manage e-waste in an environmentally sound manner with an improved EPR regime in place for e-waste recycling. What does EPR stand for?
- Extended Producer Responsibility
  - Extended Production Response
  - External Profit Range
  - External Producer Range
185. India has ratified this convention in June 1992. It regulates transboundary movement of hazardous waste, disposal and prescribes environmentally sound management of waste. Name it.
- Stockholm Convention
  - Basel Convention
  - Rotterdam Convention
  - Ramsar Convention
186. Name the process of burning hazardous materials at temperatures high enough to destroy contaminants. The process is conducted in a furnace designed for burning hazardous materials in a combustion chamber.
- Incineration
  - Combustion
  - Open-air burning
  - None of the options listed above

187. The National Institute of Solar Energy (NISE) is an autonomous specialized institute under the Ministry of New and Renewable Energy (MNRE), GoI, mandated for research and development, solar component testing and certification, capacity building, and development of solar products and applications. NISE is located in which state in India?
- Haryana
  - Uttarakhand
  - Karnataka
  - Punjab
188. India's biggest floating solar power plant is being developed in Telangana to generate energy capacity of 100 MW. Which institute is developing it?
- National Thermal Power Corporation Limited (NTPC)
  - Tata Power
  - Bureau of Energy Efficiency (BEE)
  - Ministry of Electronics and Information Technology, GoI
189. The International Solar Alliance (ISA) is an action-oriented, member-driven, collaborative platform for increased deployment of solar energy technologies as a means for bringing energy access, ensuring energy security, and driving energy transition in its member countries. ISA is a joint effort of which two nations?
- India and Germany
  - India and France
  - France and Germany
  - None of the options listed above
190. The \_\_\_\_\_ process is the anaerobic digestion of organic material which is converted into biogas.
- Incineration
  - Biomethanation
  - Bioremediation
  - Composting
191. Name the process of covering soil with a layer of material to improve soil conditions and moisture.
- Mulching
  - Nitrogen fixation
  - Composting
  - Weeding
192. Agroforestry is an integrated farming system where crops are grown along with the forest tree species and shrubs. True or false?
- True
  - False
193. Genetically Modified Organism (GMO) is a plant, animal or microbe in which one or more changes have been made using high-tech genetic engineering, in an attempt to alter the characteristics of an organism. Which genetically modified crop was the first to be commercially grown in India, in the year 2002?
- Brinjal
  - Tomato
  - Cotton
  - Corn
194. The Agri Clinic and Agribusiness Centres (ACABC) Scheme is being implemented by the Ministry of Agriculture and Farmers' Welfare, Government of India, with NABARD acting as subsidy channelizing agency. What is the role of ACABC?
- Agricultural development
  - Providing extension and other services to farmers for agri-preneur, local needs and affordability of target group of farmers
  - Create gainful self-employment opportunities to unemployed agricultural graduates
  - All the options listed above
195. What is mixing of fertilizer with irrigation water called?
- Fortification
  - Fertilization
  - Fertigation
  - Flocculation
196. Which state and crops are associated with green revolution?
- Punjab - wheat, rice
  - Haryana - vegetables, oilseeds
  - Odisha - millet, mango
  - Himachal Pradesh - ginger, garlic
197. Permaculture is a design system that mimics natural ecosystems to create sustainable agricultural practices. True or false?
- True
  - False

198. Which crop is immersed in water during its growing period, leading to the emission of large quantities of methane into the atmosphere?
- Wheat
  - Maize
  - Rice
  - Barley
199. The science of soil-less gardening is called \_\_\_\_\_. It basically involves growing healthy plants without the use of a traditional soil medium.
- Hydroponics
  - Vivipary
  - Parthenogenesis
  - Mulching
200. Dichlorodiphenyltrichloroethane is a colourless, tasteless, and almost odourless crystalline chemical compound, originally developed as an insecticide, but became infamous for its environmental impacts. What is it commonly known as?
- DDT
  - Agent Orange
  - Sevin
  - MIC