**Environment & Disaster Management**

**June 2023 Examination**

**1) India’s Meteorological Department (IMD), observes a cyclonic disturbance pattern, which spells of an impending likelihood of a cyclone which is likely to impact coastal regions of Odisha & Andhra Pradesh. You are in charge of NDRF (National Disaster Response Force). Suggest various modern disaster management steps to help the entire region better prepare for the onslaught of the cyclone. (10 marks)**

**Ans:**

**Introduction:**

Natural disasters are inevitable and unpredictable; however, their impact can be mitigated through proper disaster control. The countrywide disaster response force (NDRF) is crucial in managing such situations in India. Within the wake of an imminent cyclone, the NDRF must take quick action to mitigate the effect of the herbal catastrophe. This newsletter will discuss modern disaster control steps that can be taken to help the whole region higher prepare for the onslaught of a cyclone.

**Concepts and applications:**

The NDRF can take various present-day disaster control steps to prepare for the impending cyclone. Some of It is only half solved

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**2) India’s financial capital Mumbai during the month of February 2023 has earned the rare dubious distinction of being ranked as the world’s 2nd most polluted city in Global Air Quality Index. As an external consultant to Maharashtra Government, suggest 5 innovative solutions to solve the “Air pollution” issue. Please make sure that the solutions proposed by you must be concrete in nature & must have the capacity of creating long-term benefits to the residents & the visitors of the city. (10 marks)**

**Ans:**

**Introduction:**

Air pollution has been an ongoing issue in India, with big cities experiencing pollution levels that are considered alarming. According to the maximum recent findings of the global Air Quality Index, Mumbai, India's financial hub, is currently the second most polluted city in the world. This is a challenging, significant situation because of the intense adverse results of air pollution on the residents' health and the adverse outcomes on the city's overall well-being. As an independent representative for the government of Maharashtra, I will provide creative

**3) You are an external consultant to Bruhat Bengaluru Mahanagara Palike (Bangalore Municipality).**

**A) Your Mavallipura landfill site is overflowing with garbage & waste materials. Suggest 3 innovative and urgent mechanisms to quickly address this issue. This landfill site of Mavallipura located at Bangalore has reported a fire caused in the dumping yard owing to which several residents of Bangalore are complaining of breathing issues & air pollution matters. (5marks)**

**Ans:**

**Introduction:**

Waste management has become a significant concern in urban areas around the world. In Bangalore, the Mavallipura landfill site is overflowing with garbage and waste materials, leading to environmental and health dangers. As an external consultant to the Bruhat Bangalore Mahanagara Palike (Bangalore Municipality), the venture is to suggest innovative

**B) Suggest two innovative ideas to smooth Bangalore’s multiple lake sites, which unfortunately were converted into a sewage water body. (5marks)**

**Ans:**

**Introduction:**

The city of Bangalore, formerly referred to as the garden city of India, is currently suffering from the issue of water pollution. Because of a loss of adequate sewage treatment plants and unlawful encroachment, several lakes within the metropolis of Bangalore have ended up with aquatic bodies contaminated with