POLLUTION MISCELLANEOUS - FULL MIND MAP

Topic-wise | Hinglish | SSC / BPSC / BSSC / Railway

Topics in this chapter:

1. Biodegradability, La Nina & Food Adulteration

- Sewage - sivej jaivaapaghataniy pollutant hai. baaki ajaiv-avakramaniy substance (Substances) hain. [Q1]
- la nina madhy vishuvatiy prashant ocean (Equatorial Pacific) mein asamany roop se thande samudrik (oceanic) temperature se chihnit (characterized) hoti hai. la nina pavan ke reason January 2012 mein uttari India mein strong thand dekhi gai. [Q2]
- Argemone seed - Argemone mexicana ke bij dekhane mein kuchh had tak sarason ke bij jaise hone ke reason milavat mein used kiye ja sakte hain. sarason ke oil mein arjimon oil ki milavat mahamari shoph rog (Epidemic Dropsy) ka reason ban sakti hai. [Q3]

2. Waste Treatment - Incineration, Pyrolysis & Gasification

- Burning wastes - bhasmikaran (Incineration) waste upachar ki aisi process hai jismein waste material mein present biotic substances ka burning kiya jata hai. is process mein bhasmakon (Incinerators) ka use hota hai. [Q4]
- Waste-to-energy technologies - bhasmikaran (Incineration) ki tarah plazma tap-decomposition aur gaisikaran praudyogikiyan tapiy prakriyaen hain, jo uchch temperature (Temperatures) ka use kar waste ko vighatit (Break Down) karti hain. plazma gaisikaran system sabhi type ke biotic apashishton (Wastes) ke surakshit nipatan (Safe Disposal) ko asan banati hai. [Q5]

3. Coal Emissions & Pollution Chemistry

- 1, 2 and 3 - coal burning tapiy electricity padapon se pollution carbon dioxide, nitrogen oxides aur sulfur dioxide jaisi gases ke air mein emissions se hota hai. isliye (d) sahi jawab hai. [Q6]
- sulfur dioxide acid rainfall ka important agradut hai; isliye A-3. asantript/volatile haidrokarban photochemical smog ki chemical reactions mein hissa lete hain; isliye B-4. carbon monoxide himoglobin se dridhata se judata hai; isliye C-2. chlorofluorocarbon stratosphere mein chlorine chhodakar ozone-kshay mein contribution karte hain; isliye D-1. kut 3-4-2-1 banata hai, jo option (C) hai. [Q7]

4. EPR & Responsible Electronics Recycling

- The e-Waste (Management and Handling) Rules, 2011 - vistarit producer uttaradayitv (Extended Producer Responsibility - EPR) mein producer par specified utpadon ke life-cycle ke ant mein environment-sammat management ki jimmedari rakhi jati hai. historic UPSC sawal ke context mein E-Waste (management aur sanchalan) niyam, 2011 mein EPR important pravadhan tha; isliye option (C) sahi hai. [Q8]
- R2 sanhita ki prathaen aisi activities ke group ko sandarbhit karta hai jinhe punarchakran se related ilektronik kanpani ko karna hota hai. kanpani jab R2 prathaon ke tahat sabhi zaroori charanon ka palan karti hai, to woh R2 pramanit ban jati hai. [Q9]

5. Cleaner Fuels - H-CNG

- paranparagat (Conventional) CNG ki comparison mein H-CNG, jo hydrogen aur CNG ka mishran (Blend) hai, carbon monoxide (CO) emissions ko 70% tak ghata (Reduce) sakta hai. yeh CO emissions ko samapt (Eliminate) nahi karega. isliye statement 1 sahi nahi hai. iske extra fuel ke roop mein H-CNG CO2 aur haidrokarban (Hydrocarbon) emissions ghatata hai. basen ke fuel ke liye CNG mein ayatan ke basis par ek-panchavan tak hydrogen mishrit (Blend) kiya ja sakta hai. isliye statement 3 sahi hai. halanki H-CNG, CNG se sasta (Cheaper) fuel nahi hai. isliye statement 4 sahi nahi hai. isliye (b) sahi jawab hoga. [Q10]

6. Geoengineering for Global Warming

- Reducing the global warming - global warming kam karne ke liye vaijnyanikon ne aam taur par land-abhiyantriki samadhan (Geo-engineering solutions) sujhate rahe hain. salphet vayuvilay (Sulphate aerosols), matlab bahut mahin thos kan, ko stratosphere mein dalana (inject) sabse zyada charchit vicharon (ideas) mein se ek hai. [Q11]

7. Bihar Carbon-emission Target - Disputed Historical Item

EXAM TRAP yeh BPSC sawal hataya gaya tha, kyunki historic Bihar-UNEP kam-carbon development context mein 2040 ka target-year bataya gaya tha aur woh diye gaye options mein nahi tha. baad ke Bihar climate aur shuddh-shuny (Net-Zero) policy-dastavejon mein alag dirghakalik samay-simaen used hui hain; isliye purane sawal ko abhi samay ka sthayi target nahi banaya ja sakata. historic 2040 year kisi option mein nahi hai aur policy-context baad mein badal chuka hai; isliye maujuda vivadit chihn (*) surakshit rakha gaya hai. [Q12]