

GUG/W/24/12008

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Notes :

1. All questions are compulsory and carry equal marks.
2. Illustrate the answers with suitable diagrams and examples.

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| 1. | Discuss in brief the construction and working of following wet collectors. | 10 |
| | i) Venturi scrubbers ii) Packed towers | |
| | OR | |
| | a) Explain change in raw material and process change as cleaner technologies. | 5 |
| | b) Describe the role of IPCC in climate change. | 5 |
| 2. | Discuss principle and process of coagulation. | 10 |
| | OR | |
| | a) Explain pre-combustion and post combustion techniques. | 5 |
| | b) Write explanatory note on conventional pump and treat system. | 5 |
| 3. | What are preventive measures from radiation? How is occupational radiation controlled? | 10 |
| | OR | |
| | a) Describe methods of reducing highway noise. | 5 |
| | b) Explain types of personal protective equipments. | 5 |
| 4. | Discuss in brief chemical and biological methods to degrade pesticides. | 10 |
| | OR | |
| | a) Briefly explain eco-farming and ecotechnology to control soil pollution. | 5 |
| | b) Write brief account on reclamation of degraded lands. | 5 |
| 5. | Answer in brief any ten. | 10 |
| | a) What is the full form of ESP? | |
| | b) Write about antidote of MIC. | |
| | c) Mention atmospheric cleansing process. | |
| | d) State impurities in water. | |
| | e) How fly ash can be utilized? | |
| | f) What is in – situ bioremediation? | |
| | g) Write principle of first aid. | |
| | h) Mention method for disposal of critically dangerous radioactive wastes. | |
| | i) How fire can be controlled at working place? | |
| | j) What is soil flushing? | |
| | k) Write about neem pesticides. | |
| | l) What is the meaning of thermal desorption? | |

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