

2006

End Semester Examination
EN-107: Environmental Policy and Legislation
M.Tech. Environmental Science & Technology
Instructor: Dr. Akepati S. Reddy

Date: 13-12-2006

Time: 9-00 to 12.00 hours

Max. Marks: 100

Q.1. Answer **all** the following:

- 1.1 Indicate responsibilities of the municipal corporation under the Biomedical wastes (management and handling) rules, 1998?
- 1.2 Indicate when incineration ash is considered as hazardous waste?
- 1.3 Write note on the consent register?
- 1.4 Indicate relevance of Code of criminal procedure, 1973 for entry and inspection of any industrial facility under the Water Act, 1974 and the Air Act, 1981?
- 1.5 What is LC₅₀?
- 1.6 Comment on the relevance of Central motor vehicles rules, 1989 to the import of hazardous chemicals?
- 1.7 Indicate the enclosures with the application to Director General of Foreign Trade for import license under the Hazardous waste rules, 1989?
- 1.8 Under the Hazardous waste rules, 1989, who requires registration with the CPCB?
- 1.9 Indicate prescribed colour of the waste storage bins used for storing segregated municipal solid wastes?
- 1.10 Why schedule-1 (implementation schedule) of the Municipal solid waste rules, 2000 has lost its relevance?
- 1.11 Differentiate 'act' from 'rules'?
- 1.12 Who are non-official members in a pollution control board?
- 1.13 Who is notified as a Cess Assessment Authority?
- 1.14 Indicate the committee and subcommittees and working groups responsible for the development of ISO 14000 series of standards?
- 1.15 Give at least two examples for organization evaluation standards and for product evaluation standards from ISO 14000 series of standards?

Marks:15x1=15

Q.2. Answer **any ten** of the following:

- 2.1 Write note on the details/attachments to be included in an application preferring an appeal?
- 2.2 Write note on NOC granted by SPCB under the Water Act, 1974 and the Air Act, 1981?
- 2.3 In the event of willful absence of the occupier during sample collection under the provisions of Water Act, 1974, what will be done by the officer collecting the sample?
- 2.4 Define 'major accident'?
- 2.5 In schedule-1 of the hazardous waste rules, 1989 some of the wastes are asterisked. What meaning is assigned to this asterisk by the rules?
- 2.6 Write note on TSDF (regional common treatment, storage and disposal facility)?
- 2.7 Indicate the responsibilities of CPCB under the Municipal solid waste rules, 2000?
- 2.8 What is C/N ratio, state for what material C/N ratio is prescribed as standard and indicate the standard prescribed for the C/N ratio?
- 2.9 List the constituents of environmental law?
- 2.10 Write note on the PCC (Pollution Control Committee)?
- 2.11 Constitution of Appellate Committee constituted under the Water Cess Act, 1977?
- 2.12 What is PDCA cycle?

Marks:10x2=20

Q.3. Answer **any seven** of the following:

- 3.1 Indicate who constitutes an advisory committee under the Biomedical wastes (management and handling) rules, 1998 and indicate its constitution?
- 3.2 Indicate the consent conditions that are applicable to all those who are granted a consent under the Air Act, 1981?
- 3.3 Indicate the purposes for which an officer empowered by the State government can enter and inspect an industrial facility under the Water Cess Act, 1977?
- 3.4 Write note on the Safety Audit?
- 3.5 Discuss the provisions applicable in relation to the technologies that can be used for re-refining or recycling of hazardous wastes?
- 3.6 Indicate the wastes that are not considered as municipal solid waste and segregated and handled separately under the Municipal solid waste rules, 2000?
- 3.7 Discuss how EIA Notification and Public Liability Insurance Act, 1991 are related to the National Environmental Appellate Authority Act, 1997, and the National Environmental Tribunal Act, 1995?
- 3.8 Write note on what should be included in the agreement for constitution of a Joint Board?
- 3.9 Comment on when rebate on water cess is allowed?

Marks:7x3=21

Q.4. Answer **any six** of the following:

- 4.1 Discuss the standards prescribed under the Biomedical wastes (management and handling) rules, 1998, for the autoclaving of biomedical wastes?
- 4.2 For what all activities consent from the SPCB, under the Water Act, 1974, is required?
- 4.3 Write note on Schedule-5 of the Manufacture, storage and import of hazardous chemicals rules, 1989?
- 4.4 Write note on the standards applicable to the incineration of hazardous wastes?
- 4.5 List the seven important environmental acts and indicate the purposes to be served by each of them?
- 4.6 Discuss on who are liable to pay water cess?
- 4.7 List the essential elements of an environmental management system as specified in ISO 14001: 2004 standard?

Marks:6x4=24

Q.5. Answer **any four** of the following:

- 5.1 Define 'occupier' and comprehensively list his responsibilities under the Biomedical wastes (management and handling) rules, 1998?
- 5.2 Write note on the conditions to be complied with and procedure to be followed for sampling, under the EPA, 1986, for admissibility of the results of analysis in any legal proceedings?
- 5.3 Define hazardous chemicals, list the requirements applicable to an organization that is handling hazardous chemicals, and indicate when what requirements are applicable to the organization?
- 5.4 Write note on the responsibilities of the generators of hazardous wastes under the Hazardous waste (management and handling) rules, 1989?
- 5.5 Write note on the responsibilities of Municipal Authority under the Municipal solid waste rules, 2000?

Marks:4x5=20