

M.Tech. Environmental Biotechnology 2nd Semester Examination, 2024**Environmental Impact Assessment and Law**

Time: Three hours

Full marks: 100

1. Answer any **three** questions: 3X10 =30
 - a) Briefly explain the plastic waste management practices in India through legislation in India. 10
 - b) Briefly describe the significant features mentioned in Biomedical Waste Management Rules 2016 for running a medical College and Hospital. 10
 - c) Why 'EPA, 1986' is considered as an umbrella act in India? Briefly describe the role of Section 24 under EPA, 1986. Mention any four notification and rules under this act. State any one major court case using this Act. 2 + 2+2+4
 - d) Under which Act the Central Pollution Control Board was formed? Briefly describe the role of Central Pollution Control Board to control environmental quality of India. What were the goals of Water Act, 1974? 1+6+3
 - e) Mention briefly the name of Act(s) related with environment before and after independence of India. 10
 - f) Briefly describe the E-waste management practices in India through regulation. 10
2. Answer any **three** questions: 3X10 =30
 - a) Briefly describe the goal of EIA. Briefly describe the basic steps of EIA process? 4+6
 - b) Suppose you and your team is doing an EIA of a 'railway project' in an ecological sensitive area of India. Now briefly make a checklist for the Project. Write any three names of key activities associated with this project. 3+5+ 2
 - c) What do you understand by EIA evaluation for any developmental project? Briefly mention the different method of EIA evaluation. 2+8
 - d) Briefly state the history of EIA in India. Why do mitigation steps is important for EIA? Give a few mitigations option for a coal mining project. What do you understand by public hearings? 2+1+4+3
 - e) Briefly describe on (a) Environmental auditing (b) Life cycle analysis 5+5
3. Answer any **one** questions: 1X10
 - a) What do you understand human development index? What are the major factors of economic growth of any country? Mention any two features of sustainable development in a country. What do you understand by ecological wisdom? 1 + 2 + 5 + 2
 - b) Mention a few constrain of development in developing and developed countries. Write difference between development and mal-development? Briefly state the major impact of development like construction of big dam and thermal power plant mentioning different sectors of social environment. 2+2+3+3
4. Answer all questions: 2X15 =30
 - i) Agency of the Indian government that regulates the monitoring of air and water quality as well as other matters about pollution-(a)CBCS (b) CPCB (c)MoEF&CC (d) all of these
 - ii) An Act to provide for the prevention and control of water pollution and the maintaining or restoring of wholesomeness of water, for the establishment, with a view to carrying out the purposes aforesaid-(a) Air Act (b) Water Act (c) Water Cess Act (d)EP Act
 - iii) A board that advises the Central Government on any matter concerning the prevention and control of water pollution-(a)CPCB (b) Green Board (c) Joint Board (d) None of them

[Turn over

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- iv) Sewage or pollutants cannot be discharged into water bodies including lakes and it is the duty of the State Pollution Control Board to intervene and stop such activity are mention under the act-(a) Water Act 1974 (b) Air Act 1981 (c) Environment Protection Act 1986 (d) Water Cess Act 1977
- v) "Increased the minimum thickness of plastic carry bags from 40 microns to 50 microns and stipulated a minimum thickness of 50 microns for plastic sheets" is under (a) Municipal Act 2016 (b) Plastic Waste Management (Amendment) Rules, 2024 (c) Plastic Waste Management Rules, 2022 (d) All of them
- vi) "May establish one or more platforms for exchange or transfer of EPR certificates and the operation of the platform shall be regulated in accordance with CPCB guidelines." is mentioned under (a) E-waste management amendment rules 2024 (b) E-Waste (Management) Rules, 2022 (c) Both of them (d) None of them
- vii) Which ministry of India had notified Biomedical Waste Management Rules, 2016 ?-
(a) Ministry of Health (b) Ministry of Social Welfare (c) Ministry of Environment Forest & Climate Change (d) (b) Ministry of Environment
- viii) Wastes generated from disposable items such as tubing, bottles, intravenous tubes and sets, catheters, urine bags, syringes without needles, fixed needle syringes with their needles cut, vaccutainers and gloves is the category of -(a) Red (b) blue (c) yellow (d) green
- ix) Industries of *Chanachur and Ladoo* from puffed and beaten rice (*Muri and Chira*) using husk fired oven is which category-(a) Red (b) Orange (c) Green (d) Exempted
- x) Industries of blending of melamine resins & different powder, additives by physical mixing is which category-(a) Red (b) Orange (c) Green (d) Exempted
- xi) Determines if an EIA is required or not is present in the _____ steps of EIA- (a) Screening (b) Scoping (c) Decision making (d) Post decision
- xii) To raise consumer awareness regarding environmental issues and the consequences of their choices, thereby encouraging a shift towards more environmentally friendly behaviors and consumption patterns is the goal of -(a) NITI LIFE programme (b) Ecomark programme (c) Green mission programme (d) All of them
- xiii) Chrome ulceration, also known as chrome holes, these are painless, crusted lesions is an occupational disease is connected with which industries-(a) Gold plated ornament (b) Leather tanning (c) Car factory (d) All of them
- xiv) It is mandatory for Thermal Power Plants to ensure 100% utilisation of _____ within three to five years under a rule of Environment Protection Act 1986- (a) Over burden (b) Flyash (c) Bottom ash (d) all of them
- xv) Which one is specialized quasi-judicial body-(a) NGT (b) EP Act (c) Gram Panchayet (d) Supreme court