

SYLLABUS FOR COMPUTER BASED RECRUITMENT TEST (CBRT)
FOR THE POST OF SCIENTIFIC OFFICER
UNDER
DIRECTORATE OF SCIENCE AND TECHNOLOGY AND WASTE MANAGEMENT
(Advt No. 03 Year 2023)

I. General English including Grammar - 10 marks

II. General Knowledge, Current Affairs and Events of National and International Importance - 10 marks

III. Logical Reasoning and Analytical Ability - 25 marks

IV. Core: - 30 marks

1. Waste Management and Environmental Sciences: (25 marks)

- (i) Pollution and Pollution Control
 - (a) Indian National Ambient Air Quality Standards
 - (b) Vehicular emissions and urban air quality
 - (c) Noise Pollution
 - (d) Water Pollution and its impact on humans, plants and animals
 - (e) Study of DO, BOD, COD, TDS, turbidity etc.
 - (f) Waste water treatment- STPs and ETPs
- (ii) Solid and Hazardous Waste Management
 - (a) Solid Waste characteristics- components and analysis
 - (b) Solid waste collection and transportation
 - (c) Solid waste processing and recovery
 - (d) Hazardous waste-treatment, stabilization and disposal
- (iii) E-waste
- (iv) Plastic waste
- (v) Environment Impact Assessment (EIA)
- (vi) Overview of Environmental laws in India- Constitutional provisions, Air (Prevention and Control of Pollution) Act 1981, Water (Prevention and Control of Pollution) Act 1974 (as amended from time to time), Environment (Protection) Act 1986, Public Liability Insurance Act, CRZ 1991 (as amended from time to time) and other relevant Acts and Rules.
- (vii) Environmental Conventions and Agreements (Stockholm Conference 1972, Montreal Protocol 1987, Ramsar Convention 1971, Earth Summit at Rio, 1992, Convention on Biodiversity 1992, Clean Development Mechanism (CDM) and other relevant Conventions)
- (viii) Current environmental issues in India including environmental disasters.

2. Innovation and Intellectual Property Rights (IPR) (05 Marks)

Note:

Duration for C.B.R.T : 90 Minutes

Maximum Marks for C.B.R.T : 75 Marks

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