

( 6 )

2. Agenda 21 : Reference Guide for Sustainable Development
3. Bio-diversity
4. Land Management and Rehabilitation
5. Water Management & Conservation
6. Sustainable Agriculture — Food Security
7. Sustainable forest policies and wild-life conservation
8. Sustainable Tourism Development ; Coastal Ecology and its Management ; Hill Ecology and its Management.

#### **Paper VIII**

#### **Environmental Management :**

1. Environment, Ecology and Management; positive and negative effects.
2. Human impact on the natural environment ;
3. Population and Ecological crisis.
4. Conservation of Natural resources — forest management
5. Pollution and Global environmental issues
6. Management of environment: approaches, components and objectives.
7. Management of environment : assessment, issues, strategy.
8. Environment problems, planning management in India.

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#### **Paper IX**

#### **Disaster Management :**

1. Disaster : definition, classification and threat.
2. Disaster management cycle, National disaster management policy. Mapping of Disaster prone areas; Disaster legislation, counter disaster plans.
3. Disaster prevention, mitigation.
4. Major factors prior to disaster impact. Response to disaster impact.
5. Disaster management support requirement — Current Disaster Management Policies in India. Post Disaster review.
6. Flood management
7. Earthquake
8. Survey and assessment — importance, scope, Information needs, facilities and follow-up for disaster management.

#### **Paper X**

#### **Dissertation (Report — 70 + Viva- 30)**

#### **Pattern of Question Paper :**

1. Answer question no. 1 and any 8 from the rest.
2. Question No. 1 (Short answer type questions) 10 to be answered out of 15. Marks  $10 \times 2 = 20$
- 8 questions to be answered
- out of 12 essay type questions Marks  $8 \times 10 = 80$

**Total Marks : 100**