

## **RURAL DEVELOPMENT AND ENVIRONMENT**

### **SEMESTER-1**

Theory paper	Time: 3 Hours	Marks:70
CCE/Internal Assessment		Marks 10

### **Structure of Question Paper (Theory)**

1. There will be 15 questions in the question paper.
2. All questions are compulsory.
3. There will be three-sections i.e. A, B and C in the question paper .

#### **Section A:**

This section will comprise of five short answer type question carrying two marks each. These questions will be asked on the terminology and definition of the basic concepts. All these questions will be spread over the whole of the syllabus. Each question should be answered in 5-7 lines

#### **Section B:**

This section will comprise of part-1 of the syllabus .In this section five questions will be set in all. Four questions of five marks each will be set, whose answer should be given in 15-20 lines .The fifth question with internal choice will be of ten (10) marks whose answer should be given in 50-60 lines.

#### **Section C:**

This section will comprise of part -II of the syllabus. In this section also, five questions will set in all. Four Questions of five marks each will be set, whose answer should be given in 15-20 lines .The fifth question with internal choice will be of ten (10) marks whose answer should be given in 50-60 lines.

## **SYLLABUS**

### **PART-1**

#### **1. Environment:**

- (a) Nature and scope of Environment Education :Objective of environment studies, the need of environment studies at local, regional and national levels.

- (b) The logic behind the Holistic view of environment .Man as a culturally contributing activist either positively or passively.
- (c) Ecology: Ecological cycle and ecological principles, Relationship between Ecology and Economics, Political and Social implications of Environmental issues.

## **2. Geographical Features of the State (Punjab)**

- (a) Physical situation: Annual rainfall, total cropped area: land under trees and forests.
- (b) Agro- climate regions: effects of weather and climate on growth, maturity and harvesting of crops,
- (c) Physical properties of the Soil, Structure and its types.

## **PART -II**

### **AGRICULTURE**

**(With special reference to Punjab)**

## **3. Agro –industries**

### **(a) Dairy Farming.**

- (i) Importance of dairy as an industry for the rural development.
- (ii) Importance Breeds of Cattle i.e. Cows, Buffaloes, Sheep, and Goats reared in the states and improvement in their breeds.
- (iii) Improvement of their yield through proper nutrients in feed and feeding stuff.
- (iv) Major animal diseases and their control.
- (v) Marketing of milk products in the rural areas.

### **(b) Poultry Farming**

- (i) Importance of poultry farming as an industry for rural development.
- (ii) Poultry houses and equipment.
- (iii) Proper feeding of poultry birds and improvement in their breeds.
- (iv) Major poultry diseases and their remedies.
- (v) Packing and marketing of poultry products.

### **(c) Piggery and fisheries**

- (i) Scope of piggery and fisheries in the state.

## SEMESTER –II

Theory paper

Time: 3 Hours

Marks: 100

CCE/Internal Assessment

Marks: 20

### Structure of Question Paper

1. There will be 24 question in the question paper .1
2. All question are compulsory.
3. There will be three sections i.e. A, B and C in the question paper.

#### Section A:

This section will comprise of ten short answer type questions carrying two marks each. These questions will be asked on the terminology and definitions of the basic concepts. All these questions will be spread over the whole of the syllabus. Each question should be answered in 5-7 lines.

#### Section B:

This section will comprise of part -1 of the syllabus containing 1-5 units. In this section seven questions will be set in all. Six questions of five marks each will be set, whose answer should be given in 15-20 lines. The seventh question with internal choice will be of ten (10) marks whose answer should be given in 50-60 lines.

#### Section C:

This section will comprise of part-II of syllabus containing 6-7 units. In this section also, seven questions will be set in all. Six Questions of five marks each will be set whose answer should be given in 15-20 lines. The seventh question with internal choice will be of ten (10) marks whose answer should be given in 50-60 lines.

## SYLLABUS

### PART-I

#### Conservation of Natural resources of the State (Punjab)

- (a) Land and mineral resources
- (b) Major water and power resources
- (c) Forest wealth of Punjab. Paucity of natural forests in the state. Forest policy of the state Govt.

## **Pollution**

- (a) Environment pollution through industrial products and wastes, insecticides and pesticides.
- (b) Pollution of air and water in rural areas; various ways and means to check it.

## **Population distribution**

- (a) Size and rate of growth of population: causes and effects of rapidly growing population: family welfare and other measures to check population growth .
- (b) Population Education : highlighting the problems of large families and propagating the idea of small families

## **PART-II**

### **Horticulture (with special reference to Punjab)**

- (a) Importance of special forestry in the rural development. Economic and environment benefits of social forestry .
- (b) Growing of some important trees like Acacia (Kikar), Dalbergia (Tali),

Popular and Eucalyptus in the rural areas and role of the state Govt. for encouraging social forestry in the villages

- (c) Fruit plants

Growing of some major fruit plants in the different parts of the State. Methods of their planting, initial care, irrigation methods and control of their diseases. Fruits marketing and preservation.

- (d) Vegetable plants

- (i) Cultivation of various vegetables grown in different parts of the state.
- (ii) Major vegetable diseases and their control.
- (iii) Marketing of vegetables and their preservation