

FORESTRY

Time Allowed: 03 Hours

Max: Marks: 100

Attempt any Five Questions. All Questions Carry Equal Marks.

1. A. Define Forest Ecology. Discuss its Unique Aspects and Explain the Scope of Forest Ecology. 10
- B. What is an Even-aged and Un-even Aged Forest. Explain its Advantages and Disadvantages. 10
2. A. Explain Completely Random Design. How it differs from Randomized Block Design. 10
- B. Differentiate the Following:-
 - (i) Qualitative and Quantitative Data
 - (ii) Descriptive Statistics and Inferential Statistics. 10
 - (iii) Precision and Accuracy.
 - (iv) Pie Diagram and Pictogram.
3. A. How we can maximize the Social Welfare of a Society from Investment in Forestry Sector. 10
- B. Define Forestry. Discuss its Linkages with other Sectors of Economy. 10
4. Define Range Improvement. What techniques you will suggest to Improve the Rangelands in Pakistan. 20

5. Explain the Sedimentation Process.

How Watershed Management Practices may help to resolve the current Energy crisis. 20

6. A. Describe the Indirect Benefits of Forests to the Food Security. 10

B. What is Food chain. Describe in detail the various components of Food chain. 10

7. A. What Role a Forest Policy Plays in the Development of Forestry Sector. Suggest some Policy Issues you would like to incorporate in the Next Forestry Policy to Improve the Forestry Sector in Pakistan. 10

B. Define Sustainable Forests Management (SFM) Paradigm. Suggest some criteria and indicators, which may be used in Pakistan for Assessing the Implementation Level on SFM. 10