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**FEDERAL PUBLIC SERVICE COMMISSION**  
**COMPETITIVE EXAMINATION FOR**  
**RECRUITMENT TO POSTS IN BS-17**  
**UNDER THE FEDERAL GOVERNMENT, 2014**  
**FORESTRY**

Roll Number

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<b>TIME ALLOWED:</b>	<b>(PART-I MCQs)</b>	<b>30 MINUTES</b>	<b>MAXIMUM MARKS: 20</b>
<b>THREE HOURS</b>	<b>(PART-II)</b>	<b>2 HOURS &amp; 30 MINUTES</b>	<b>MAXIMUM MARKS: 80</b>

- NOTE:**(i) **Part-II** is to be attempted on the separate **Answer Book**.  
(ii) Attempt **ONLY FOUR** questions from **PART-II**. **ALL questions carry EQUAL marks**.  
(iii) Candidate must write **Q. No.** in the **Answer Book** in accordance with **Q. No.** in the **Q. Paper**.  
(iv) No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.  
(v) Extra attempt of any question or any part of the attempted question will not be considered.

**PART-II**

- Q. No. 2.** Do you consider that Forests in Pakistan are below the average required percentage? (20)  
How would you justify the commercial value of these forests? Discuss major issues of forest losses and how can these be overcome at large.
- Q. No. 3.** Define curving and how would you classify curving. What are the methods of setting up the curves? (20)
- Q. No. 4.** Explain how the forest policies can enhance the contribution of the forestry sector to the country's ecology and economy. Do you think that forestry and forest policies have multiple dimensions? What are these and how the forest policies can be developed in their presence? (20)
- Q. No. 5.** Discuss the significance of stem analysis. How can you establish height and age curves from stem analysis? Does the stem analysis indicate any relationship to thickness of the bark? (20)
- Q. No. 6.** There has been a major change in the biodiversity in Pakistan. How can this be minimized in order to protect the biodiversity? (20)
- Q. No. 7.** Through logical frame work, discuss the limiting factors in promoting agro-forestry in Punjab with a possible solution. Do you think that promoting agro-forestry could effect biodiversity? (20)
- Q. No. 8.** Write short notes on any **FOUR** of the following: (5 each) (20)  
(a) Ecophysiology of tree growth  
(b) Role of silviculture in forest and wildland management  
(c) Stand density determination  
(d) Offences relating to reserved forests  
(e) Role of shelter belt and wind breaks  
(f) Types of Theodolite

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