

FEDERAL PUBLIC SERVICE COMMISSION



COMPETITIVE EXAMINATION FOR RECRUITMENT TO POSTS IN BS-17 UNDER THE FEDERAL GOVERNMENT, 2012

Roll Number

FORESTRY

TIME ALLOWED:	(PART-I MCQs)	30 MINUTES	MAXIMUM MARKS: 20
THREE HOURS	(PART-II)	2 HOURS & 30 MINUTES	MAXIMUM MARKS: 80
NOTE: (i) Candidate must write Q.No. in the Answer Book in accordance with Q.No. in the Q.Paper . (ii) Attempt ONLY FOUR questions from PART-II . All questions carry EQUAL marks. (iii) Extra attempt of any question or any part of the attempted question will not be considered.			

PART-II

- Q.2** (a) Explain the basis of forest classification in Pakistan and highlight significant features of different forest types. (10)
- (b) Discuss various silvicultural practices for the management of these forests. (10)
- Q.3.** Describe in detail the role of tree species in reclaiming saline soils. Explain different dry afforestation techniques employed successfully in Thal desert of Pakistan. (20)
- Q.4.** What are the major components of Agro-forestry systems? Discuss the role of important tree species used successfully in agro-forestry programmes in Punjab, Sind & KPK. (20)
- Q.5.** Describe in detail different Rangeland ecological zones of Pakistan. Explain different constraints to rangeland development and outline improvement potential of desert rangelands in terms of forage productivity through natural and artificial regeneration. (20)
- Q.6.** Discuss the significance of watershed areas of Pakistan; explain how forest degradation aggravate the ecological health of these watersheds? Discuss various measures needed to rehabilitate the degraded watersheds in northern mountainous areas of the country. (20)
- Q.7.** What are the direct and indirect causes of biodiversity loss in Pakistan? Discuss the role of protected areas in biodiversity conservation. Explain how forest and rangeland habitat is related to wildlife management and conservation? (20)
- Q.8.** Write short notes on any **FOUR** of the following: (4 x 5=20)
- (i) Forests and climate change (ii) Shisham die back disease in Pakistan
- (iii) Role of shelterbelts and windbreaks (iv) Trees and noise pollution
- (v) Non timber forest products (vi) Wood seasoning and preservation
- (vii) Causes and control of forest fires (viii) Rangeland carrying capacity

