THE FEDERAL GOVERNMENT, 2008



FORESTRY

TIME ALLOWED.	(PART-I)	30 MINUTES	MAXIMUM MARKS:20
TIME ALLOWED:	(PART-II)	30 MINUTES 2 Hours & 30 Minutes	MAXIMUM MARKS:80

(i) First attempt PART-I (MCQ) on separate Answer Sheet which shall be taken back NOTE: after 30 minutes. (ii) Overwriting/cutting of the options/answers will not be given credit.

PART_I (MCO)

(ii) (iii)	(a) (c) Silk v (a) (c) Arid (a) (c)	is obtained from: Acacia nilotica Abies pindrow vorms are reared on: Morus alba Ficus religiosa Zone Research Institute is Islamabad	(b) (d) (b) (d) located at: (b)	None	s roxburgli e of these ergia sissoo e of these		
(iii)	(c) Silk v (a) (c) Arid (a) (c)	Abies pindrow vorms are reared on: Morus alba Ficus religiosa Zone Research Institute is Islamabad	(d) (b) (d) located at:	None	e of these ergia sissoo		
(iii)	Silk v (a) (c) Arid (a) (c)	vorms are reared on: Morus alba Ficus religiosa Zone Research Institute is Islamabad	(d) (b) (d) located at:	Dalb	ergia sissoo		
(iii)	(a) (c) Arid (a) (c)	Morus alba Ficus religiosa Zone Research Institute is Islamabad	(b) (d) located at:				
	(c) Arid (a) (c)	Ficus religiosa Zone Research Institute is Islamabad	(d) located at:				
	Arid (a) (c)	Zone Research Institute is Islamabad	located at:	None	of these		
	(a) (c)	Islamabad	located at:				
G.A	(c)		(15)				
Con	0.05079	Quetta	(10)	Bahawalpur			
(in)	Pneu	Quetta	(d)		of these		
(iv)		matophores are typical:					
	(a) Stems		(b)	Branches			
	(c)	Leaves	(d)	None	of these		
(v)	Increment borer is an						
	(a) Insect		(b)	Instru	iment "		
	(c)	Fungi	(d)	None	of these		
(vi)	Lignin is present in:						
	(a) Seed		(b)	Leaves			
	(c)	Wood	(d)	None	of these		
(vii)	Bene	ficial Fungi present in root	100 L 100 L	l:			
	(a)				orrhiza		
	(c)	Mitosis	(d)		of these		
(viii)	Dalbergia sissoo is native of:						
	(a)	Australia	(b)	Austr	ria		
	(c)	Nepal	(d)	None	of these		
(ix)	Cook's formula is used to calculate:						
20 00	(a)	Amount of rainfall		(b)	Amount of sediments		
	(c)	Amount of suspended pa	articles	(d)	None of these		
(x)	LAI refers to:						
	(a) Life		(b)	Long	itude		
	(c)				of these		
(xi)	Technical name of Markhore is:						
- Westin	(a) Capra ibex		(b)	Canis	s aureus		
	(c)	Panthera uncia	(d)		of these		
(xii)	Technical name of Partal is:						
12 30	(a)	Pinus wallichiana	(b)	Almi	s nitida		

None of these

None of these

Sea

(d)

(b)

(d)

Abies pindrow

(xiii) Bela forests are found along: Canals

River

(c)

(a)

(c)

(20)

FORESTRY

	(xiv)	Harv	esting or removal of di	seased and brol	ken trees is known as:		
		(a)	Normal thinning	(b)	Sanitary thinning		
		(c)	Light thinning	(d)	None of these		
(xv)		Plum	ule gives rise to:	AGENERAL STATES			
		(a)	Stem	(b)	Root		
		(c)	Leaves	(d)	None of these		
	(xvi)	Avic	enia officinalis is a typ	ical species of:			
	A-96AAAAAA	(a)	Dry Temperate	(b)	Riverian		
		(c)	Mangrove	(d)	None of these		
	(xvii)	Most	suitable method of tre	e planting in w	aterlogged soils is:		
		(a)	Dibble planting	(b)	Notch planting		
		(c)	Mound planting	(d)	None of these		
2	(xviii)	Tann	in can be extracted fro	m:			
()	0 = 0	(a)	Bark	(b)	Leaves		
		(c)	Small branches	(d)	None of these		
	(xix)	Tape	ering is a characteristic	of:			
		(a)	Grass tillers	(b)	Tree stem		
		(c)	Tree canopy	(d)	None of these		
	(xx)		pers exude Terpentine				
	(40.0040)	(a)	Stem	(b)	Leaves		
		(c)	Bark	(d)	None of these		
NOT	E. (ii)	Atte Extr	a attempt of any que	estions from PA	e Answer Book. ART-II. All questions carry EQUAL mapart of the attempted question will no		
	_		idered.				
Q.2.			of forest resources in		scribe the key factors responsible for	(20)	
Q.3.			us Watershed Manage . Please justify with a	Delice Court of the state of th	overcome water and power crisis in the	(20)	
Q.4.		What is meant by <u>Social Forestry</u> ? Explain its various types being practiced in Agro- Ecological zones of Punjab and Sindh.					
Q.5.	gı	by using Von Mantle's formula, calculate Annual yield of a coniferous forest whose rowing stock volume is 40,000 cft and rotation period of 150 years. Why constant is sed in this formula.					
Q.6.	N	ame t			akistan. Describe its carrying capacity, nts (if any).	(5+15)	
Q.7.			Biological Diversity. measures to save and		actors threatening Biological Diversity.	(10+10	
Q.8.	11	Trite el	hort notes on any FIVI	of the following	ng:	(4x5)	
6.0.	(a		Browse line		Merchantable Timber	1	
	1000	100	Volume Table	0.000	Game Reserve		
	(e		Randomization		Normal Forest		
		150 H	EC		Stubble Farming		
	(§	5/		(11)	oracore i arming		
