

FEDERAL PUBLIC SERVICE COMMISSION COMPETITIVE EXAMINATION-2017 FOR RECRUITMENT TO POSTS IN BS-17 UNDER THE FEDERAL GOVERNMENT

BOTANY

TIME AL PART-I(N	LOWED: THREE HOURS ICOS): MAXIMUM 30 MINUTES	PART-I (MCQS) PART-II	MAXIMUM MARK MAXIMUM MARK	
NOTE: (i) (ii (ii	 Part-II is to be attempted on the sepa Attempt ONLY FOUR questions from All the parts (if any) of each Question places. Candidate must write Q. No. in the Ann No Page/Space be left blank between be crossed. 	rate Answer Book. In PART-II. ALL quest In must be attempted at Inswer Book in accordance In the answers. All the b	ons carry EQUAL marks. one place instead of at d ee with Q. No. in the Q.Paj lank pages of Answer Boo	lifferent per. ok must
	I	PART-II		
Q. No. 2.	Describe briefly habitat, structure, repre		f adiantum.	(20)
Q. No. 3.	Discuss evolution of seed and its impor	tance in vascular plants.		(20)
Q. No. 4.	Why is Darwin's theory of evolution still so controversial? Explain.			(20)
Q. No. 5.	How does the C_4 pathway differ from C_3 pathway of carbon fixation? What are the advantages and disadvantage of each pathway?			(20)
Q. No. 6.	How did the discovery that the DNA molecule is helical with uniform 2-mm diameter lead Watson and crick to propose the pairing rules for double-helix model? Explain.			(20)
Q. No. 7.	Describe causes and reclamation of soil salinity and water logging in Pakistan.			(20)
Q. No. 8.	 Writer short notes on any FOUR of the (a) Forensic Palynology. (b) Chemo taxonomy. (c) Imperfect Fungi. (d) Choromosomal aberrations. (a) Economic importance of Acadia 	-	(5 each)	(20)

(e) Economic importance of Acacia Family.
