

FEDERAL PUBLIC SERVICE COMMISSION **COMPETITIVE EXAMINATION-2021** FOR RECRUITMENT TO POSTS IN BS-17 UNDER THE FEDERAL GOVERNMENT

Roll Number

BOTANY

TIME ALLOWED: THREE HOURS PART-I(MCQS): MAXIMUM 30 MINUTES		PART-I (MCQS) PART-II	MAXIMUM MARKS = 20 MAXIMUM MARKS = 80	
NOTE: (i) (ii) (iii) (iv)	Part-II is to be attempted on the separate Answer Book. Attempt ONLY FOUR questions from PART-II. ALL questions carry EQUAL marks. All the parts (if any) of each Question must be attempted at one place instead of at different places. Write O. Naciented.			
(v)	Write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper. No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.			
(vi)	Extra attempt of any question or any part of the question will not be considered.			
Q. No. 2.		RT-II	17.71	(20)
Q. No. 3.	What are the physiological roles of C	ytokinins and Abscisic A	cid in plant growth?	(20)
Q. No. 4.	What is the specificity of enzyme ac enzyme "Ribulose-1, 5-Bisphosphate	tion? Explain it with refe Carboxylase-Oxygenase'	erence to the important (RuBisCO).	(20)
Q. No. 5.	Differentiate between Vascular camb secondary growth.	oium and Cork cambium	Describe their role in	(20)
Q. No. 6.	Write a note on cell senescence and cell death.			(20)
Q. No. 7.	How are Gametophyte and Sporophy	te evolved in Bryophytes	?	(20)
Q. No. 8.	Write a note on any TWO of the foll	owings:	(10 each)	(20)
	(a) Hardy – Weinberg's Lav	V	(10 cacity	(20)
	(b) Evidences of Evolution(c) Theory of Natural Select	ion		
