

FEDERAL PUBLIC SERVICE COMMISSION FOR POSTS IN BS-17 POSTS IN BS-17 POSTS IN BS-17

BOTANY, PAPER-I

TIME ALLO	OWED:	(PART-I MCQs)	30 MINUTES	MAXIMUM MARKS: 20			
THREE HO	URS	(PART-II)	2 HOURS & 30 MINUTES	MAXIMUM MARKS: 80			
NOTE: (i) First attempt PART-I (MCQs) on separate Answer Sheet which shall be taken back after 30							
	minutes	5.					
(ii) Overwriting/cutting of the options/answers will not be given credit.							

(PART-I MCOs) (COMPIU SORV)

			<u>(1 A</u>	KI-I MCQS) (COMI	ULS	<u>OKI)</u>		
Q.1.	Sele	ect the best option/answe	r and	fill in the appropriate	box	on the Answer Shee	t.	(1 x 20=20)
(i) Tiny plants with silicon cells are:								
	(a)	Diatoms	(b)	Zooplanktons	(c)	Fungi	(d)	None of these
(ii)	With	nania somnifera belongs	to the	family:				
	(a)	Solanaceae	(b)	Brassicaceae	(c)	Poaceae	(d)	None of these
(iii)	The 1 st root of the seed plant develops from the radical is called:							
	(a)	Tap root	(b)	Aerial root	(c)	Adventitious root	(d)	None of these
(iv)	Myc	corrhiza is the symbiotic	assoc	iation between:				
	(a)	Algae and Fungi	(b)	Angiosperms and Fur	ngi			
	(c)	Lichens and Fungi	(d)	None of these				
(v)	New	Ulva plant after undergo	oing r	meiosis produces	_Zoo	spores:		
	(a)	Monoflagellated	(b)	Biflagellated	(c)	4-flagellated	(d)	None of these
(vi)	vi) Alternation of generation in Moss is:							
	(a)	Isomorphic	(b)	Heteromorphic	(c)	Absent	(d)	None of these
(vii)	i) Most primitive family is:							
	(a)	Magnoliaceae	(b)	Poaceae	(c)	Malvaceae	(d)	None of these
(viii)	ii) Laminaria is the example of:							
	(a)	Red Algae	(b)	Brown Algae	(c)	Green Algae	(d)	None of these
(ix)	The chief component of the cell wall of fungi is the:							
	(a)	Pectin	(b)	Chitin	(c)	Lignin	(d)	None of these
(x)	Forn	nation of fruit without fe	rtiliza	ation:				
	(a)	Apomixis	(b)	Polyembryony	(c)	Parthenocarpy	(d)	None of these
(xi)	Nati	onal flower of Pakistan i	s:					
	(a)	Jasminum	(b)	Cestrum nocturnum	(c)	Pisum sativum	(d)	None of these
(xii)	Zygo	omycetes have their com	mon 1	name as:				
	(a)	Imperfect Fungi	(b)	Conjugating Fungi	(c)	Sac Fungi	(d)	None of these
(xiii)	Filaments of Algae are composed either of distinct cells:							
	(a)	Gametocytes	(b)	Coenocytes	(c)	Heterocysts	(d)	None of these
(xiv)	The	bryophytes are also calle	ed:					
	(a)	Sporogonium	(b)	Amphibians	(c)	Arthrophytes	(d)	None of these Page 1 of 2

BOT	'AN'	<u>(, PAPER-I</u>						8
(xv)	TANY, PAPER-I The first plant which developed true leaves and roots are: (a) Pteropsids (b) Lycopsids (c) Psilopsids (d) None							
	(a)	Pteropsids	(b)	Lycopsids	(c)	Psilopsids	(d)	Non
(xvi)	An c	vule is:						2
	(a) Fertilized seed (b) Integumented Indehiscent megasporangium						gium	
	(c)	Dehiscent megasporang	gium		(d)	None of these		
(xvii)	An a	ngiosperms the female g	amet	ophyters contain:				
	(a)	1 – several cells	(b)	7 cells only	(c)	3 cells	(d)	None of these
(xviii)	Sporophyte of Bryophytes is also called as:							
	(a)	Sporangium	(b)	Sporogonium	(c)	Prothallus	(d)	None of these
(xix)	One of the examples of crustose lichen is:							
	(a)	Basidia	(b)	Dermatrocarpus	(c)	All of these	(d)	None of these
(xx)	The	scientific name of Brings	al is:					
	(a)	Solanum tuberosum			(b)	Solanum melonge	ena	
	(c)	Nicotiana tabaccum			(d)	None of these		

PART-II

NOT	(ii) Attempt ONLY	be attempted on separate Answer Book. 7 FOUR questions from PART-II. All questions carry EQUAL may for any question or any part of the attempted question will not be	arks.			
Q.2.	Briefly describe the life of	cycle of Bryophytes.	(20)			
Q.3.	• Write detailed notes on the different stages of mitosis. Draw diagrams. (20					
Q.4.	Write down the salient features of family Rosaceae and its economic importance. (20)					
Q.5.	Give detailed note on the life cycle of Angiosperm up to the development of seed. (20)					
Q.6.	Define tissue. What are r	meristematic tissues and also classify them on different basis?	(20)			
Q.7.	What are lichens? How l	lichens are beneficial for the universe?	(20)			
Q.8.	Write the characteristic f Pteridophytes.	features of Gymnosperms. How they differ from Angiosperms and	(20)			
