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## COMPETITIVE EXAMINATION FOR RECRUITMENT TO POSTS IN BS-17 UNDER THE FEDERAL GOVERNMENT, 2011

Roll Number

## **BOTANY, PAPER-II**

	E ALLOWED:	(PART-I MCQs)	<b>30 MINUTES</b>				A MARKS: 20		
THR NOT	$\frac{\text{EE HOURS}}{\text{E} \cdot (i)} \qquad \text{First at}$	(PART-II) ttempt PART-I (MC	2 HOURS & 30 M Qs) on separate Answ				A MARKS: 80		
	minute	s	-				Juck unter 50		
	(ii) Overw	riting/cutting of the	options/answers wil	l not	be given credit	•			
		<u>(PAR</u>	T-I MCQs) (COMP	ULS	<u>ORY)</u>				
Q.1.	Select the best	option/answer and fi	Ill in the <b>appropriate</b>	box	on the Answer S	Sheet.	(1 x 20=20)		
(i)	Reduction takes	s place in stage	of meiosis.						
	(a) Metaphas	e I (b) A	Anaphase I	(c)	Telophase I	(d)	None of these		
(ii)	Group of young	g cells which are capa	able of active cell divi	sion	is called:				
	(a) Meristem	(b) ]	Parenchyma	(c)	Periderm	(d)	None of these		
(iii)	Genetic basis o	f ABO blood group s	system was explained	by;					
	(a) Landstein	er (b) l	Levine	(c)	Bernstein	(d)	None of these		
(iv)	Allele for white	eness in Drosophila is	S:	_			_		
	(a) Recessive	e (b) l	Dominant	(c)	Co <mark>do</mark> minant	(d)	None of th <mark>es</mark> e		
(v)	Major unit of E	cology is:							
	(a) Ecosyster	n (b) l	Biosphere	(c)	Co <mark>m</mark> munity	(d)	None of these		
(vi)	Primary succes	sion that starts on dry	y soil/rock is called:						
	(a) Derosere	(a) 2	Xerosere	(a)	Lithosere	(a)	None of these		
(vii)	The way Gluco	se is metabolized/oxi	idized depends on the	avai	lability of:				
	(a) CO <sub>2</sub>	(b) <b>(</b>	$O_2$	(c)	Energy	(d)	None of these		
(viii)	The absorbing p	peak of Chlorophyll i	is:						
	(a) 680	(b) (	670	(c)	All of these	(d)	None of these		
(ix)	Light can work	in photosynthesis on	ly when it is:						
	(a) Absorbed	(b) 7	Fransmitted	(c)	Reflected	(d)	None of these		
(x)	Cellular respira	tion consists of:							
	(a) Glycosis	(b) Kreb's cycle	e and respiratory chai	in	(c) All of the	se (d)	None of these		
(xi)	The chemical wastes from Industry are called as:								
	(a) Effluents	(b) <b>(</b>	Garbage	(c)	Sewage	(d)	None of these		
(xii)	All chromosom	es other than sex chr	omosomes are called	as:					
	(a) Autosome	es (b) l	Dictyosomes	(c)	Autophagosom	es (d)	None of these		
(xiii)	Actual place/location where organism lives is called as:								
	(a) Habitat	(b) l	Domain	(c)	Niche	(d)	None of these		
(xiv)	In roots and ste	ms having secondary	growth, the epidermi	s is r	eplaced by a pro	tective lay	ver called:		
	(a) Phellogen	ı (b) l	Periderm	(c)	Cuticle	(d)	None of these		

## **BOTANY, PAPER-II**

(xv)	The st	tomata with 2 large a	nd one	small subsidiary cells	surrou	maning storing is can	ed as:	
	(a)	Diacytic	(b)	Anisocytic	(c)	Cyclocytic	(d)	None of these
(xvi)	Vacuo	oles are filled with wa	atery flu	uid called as:				
	(a)	Cell sap	(a)	Enzymes	(a)	Plastids	(a)	None of these
(xvii)	The c	hromosomes arrange	themse	elves on the equator of	f spind	le fibres during:		
	(a)	Metaphase	(b)	Anaphase	(c)	Telophase	(d)	None of these
(xviii)	The e	event that gives rise to	the he	ritable alteration in th	e genot	type is termed as:		
	(a) '	Translocation	(b)	Abnormality	(c)	Mutation	(d)	None of these
(xix)	The se	equence of genes alor	ng the I	ONA strand is called a	as:			
	(a)	Genetic code (b)	Chror	nosomal aberration	(c)	DNA sequence	(d)	None of these
(xx)		nicals used to destroy	animal	pests are:				
	(a)	Herbicides	(b)	Pesticides	(c)	Insecticides	(d)	None of these
				PART-I	[			
NOT	E:(i) (ii) (iii)	Attempt ONLY F	FOUR	ed on separate Answe questions from PAR' estion or any part of	T-II. A	ll questions carry	-	
	(ii) (iii)	Attempt ONLY F Extra attempt of considered.	FOUR o any qu	questions from PAR' estion or any part of	T-II. A f the at	ll questions carry tempted question	-	t be
Q.2.	(ii) (iii) What	Attempt ONLY F Extra attempt of considered.	FOUR ( any qu differer	questions from PAR'	T-II. A f the at	ll questions carry tempted question	-	(20)
	(ii) (iii) What	Attempt ONLY F Extra attempt of considered. is dormancy? Enlist down short notes on	<b>FOUR</b> (any qu differer	questions from PAR' estion or any part of nt methods to break de	T-II. A f the at	ll questions carry tempted question	-	t be
Q.2.	(ii) (iii) What	Attempt ONLY F Extra attempt of considered.	FOUR ( any qu differer	questions from PAR' estion or any part of	T-II. A f the at	Il questions carry tempted question y?	will no	(20)
Q.2.	(ii) (iii) What Write (a)	Attempt ONLY F Extra attempt of considered. is dormancy? Enlist down short notes on Food chain	<b>FOUR (</b> <b>any qu</b> differer : ( <b>b</b> )	questions from PAR' estion or any part of nt methods to break de	T-II. A	Il questions carry tempted question y?	will no	(20)
Q.2. Q.3. Q.4.	(ii) (iii) What Write (a) Give t	Attempt ONLY F Extra attempt of considered. is dormancy? Enlist down short notes on Food chain the Biosynthesis and	COUR of any qu differer : (b) mode c	questions from PAR' estion or any part of nt methods to break do Vernalization	T-II. A f the at ormanc (c acid.	Il questions carry tempted question y? ) Adaptive mut	will no	(20) (7+7+6=20) (20)
Q.2. Q.3. Q.4.	(ii) (iii) What Write (a) Give t Define	Attempt ONLY F Extra attempt of considered. is dormancy? Enlist down short notes on Food chain the Biosynthesis and e linkage. Explain the	COUR of any qu differer : (b) mode c	questions from PAR' estion or any part of nt methods to break do Vernalization of action of Abscissic	T-II. A f the at ormanc (c acid.	Il questions carry tempted question y? ) Adaptive mut	will no	(20) (7+7+6=20) (20) kage.
Q.2. Q.3. Q.4. Q.5.	(ii) (iii) What Write (a) Give t Give t	Attempt ONLY F Extra attempt of considered. is dormancy? Enlist down short notes on Food chain the Biosynthesis and le linkage. Explain the example.	FOUR of any qu differer : (b) mode of e pheno	questions from PAR' estion or any part of nt methods to break do Vernalization of action of Abscissic omenon of coupling an	T-II. A f the at ormanc (c) acid. nd repu	Il questions carry tempted question y? ) Adaptive mut ilsion with reference	will no	(20) (7+7+6=20) (20) kage. (20)
Q.2. Q.3. Q.4.	(ii) (iii) What Write (a) Give t Give t	Attempt ONLY F Extra attempt of considered. is dormancy? Enlist down short notes on Food chain the Biosynthesis and le linkage. Explain the example.	FOUR of any qu differer : (b) mode of e pheno	questions from PAR' estion or any part of nt methods to break do Vernalization of action of Abscissic	T-II. A f the at ormanc (c) acid. nd repu	Il questions carry tempted question y? ) Adaptive mut ilsion with reference	will no	(20) (7+7+6=20) (20) kage.
Q.2. Q.3. Q.4. Q.5.	(ii) (iii) What Write (a) Give t Give t Give t What	Attempt ONLY F Extra attempt of considered. is dormancy? Enlist down short notes on Food chain the Biosynthesis and le linkage. Explain the example.	COUR of any qu differer : (b) mode c e phence	questions from PAR' estion or any part of ht methods to break do Vernalization of action of Abscissic omenon of coupling an How would you expla	T-II. A f the at ormanc (c) acid. nd repu	Il questions carry tempted question y? ) Adaptive mut ilsion with reference	will no	(20) (7+7+6=20) (20) kage. (20)
Q.2. Q.3. Q.4. Q.5.	(ii) (iii) What Write (a) Give t Give t Give t Uefind Defind	Attempt ONLY F Extra attempt of considered. is dormancy? Enlist down short notes on Food chain the Biosynthesis and e linkage. Explain the example. do you mean by evol	COUR of any qu differer : (b) mode of e phence lution? ts differ	questions from PAR' estion or any part of nt methods to break de Vernalization of action of Abscissic omenon of coupling an How would you expla- rent stages?	T-II. A f the at ormanc (c) acid. nd repu	Il questions carry tempted question y? ) Adaptive mut ilsion with reference	will no	t be (20) (7+7+6=20) (20) kage. (20) (20) (20)
Q.2. Q.3. Q.4. Q.5. Q.6. Q.7.	(ii) (iii) What Write (a) Give t Give t Give t Uefind Defind	Attempt ONLY F Extra attempt of considered. is dormancy? Enlist down short notes on Food chain the Biosynthesis and e linkage. Explain the example. do you mean by evol e Mitosis and enlist i e short notes on ANY	FOUR of any qu differer : (b) mode of e phenco lution? ts differ TWO	questions from PAR' estion or any part of nt methods to break de Vernalization of action of Abscissic omenon of coupling an How would you expla- rent stages?	T-II. A f the at ormanc (c acid. ad repu	Il questions carry tempted question y? ) Adaptive mut ilsion with reference narkism?	will no	t be (20) (7+7+6=20) (20) kage. (20) (20) (20) (20)
Q.2. Q.3. Q.4. Q.5. Q.6. Q.7.	(ii) (iii) What Write (a) Give ( Give ( What Define Write	Attempt ONLY F Extra attempt of considered. is dormancy? Enlist down short notes on Food chain the Biosynthesis and e linkage. Explain the example. do you mean by evol e Mitosis and enlist i short notes on ANY What is water logg	COUR of any qu differer : (b) mode of e pheno lution? ts differ TWO ing? Gi	questions from PAR' estion or any part of the methods to break do Vernalization of action of Abscissic omenon of coupling an How would you expla- rent stages? of the following:	T-II. A f the at ormanc (c) acid. ad reputation	Il questions carry tempted question y? ) Adaptive mut ilsion with reference narkism?	will no	t be (20) (7+7+6=20) (20) kage. (20) (20) (20) (20)

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