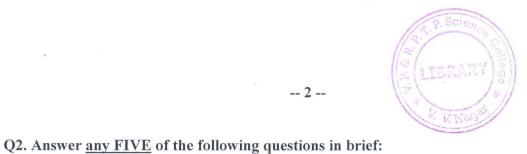
V.P. &R.P.T.P.SCIENCE COLLEGE

B. Sc. (Sem-5) Examination

Subject: BOTANY Paper: US05CBOT06 (PLANT PHYSIOLOGY)

Date: 08/10/2018 (Monday) Time: 10-00A.M. to 12-00 N	, NOON.		Max. Marks: 50
	₽.		
Q1. Choose an appropriate	answer for the follo	wing multiple choic	e questions: (10x1=10)
(i) Plant hormones are		latora (a) Phytohorm	nones (d) All of these
(a) Olowill lactor	ts (b) Olowin regu		iones (u) An or mese
(::)			
(ii) is used on (a) GA	(b) Auxin	(c)Cytokinins	(d) None of these
(4) 0/1	(0) / 10,111	(c)Cytokiiniis	(a) Home of mose
			* · · ·
(iii) Who suggested the			
(a) Garner&Alla	rd (b) Hammer	(c) Bonner	(d) All of these
(iv) The pigment that	control flowering is	known as:	
(a)Phytochrome	(b) Cytochrome	(c) Chlorophyll	(d) None of these
(v) Who proposed the	protein model of cr	oss linking?	and when preventioned and the strength and the strength of the
	(b) Allard	(c) Levitt	(d) None of these
(vi) Stress caused by I	athoran called	and a second	ана "Али инструмите слова с население политичнати на селотори. 2 — 2 — 2 с 4 м. – как на селотори с политичнати на селотори с население на селотори с население на селотори на
(vi) Stress caused by j (a) Biotic		(c) Osmotic	(d) None of these
(4) Diotio	(0) 1101010		(u) Hone of these
(vii) Phytogerontology			
(a) Senescence	(b)Vernalization	(c)Dormancy	(d) None of these
			,
(viii)Which one of the			
(a) GA	(b) Auxin	(c) Ethylene	(d) Cytokinin





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List out the physiological effects of kinetin on plants.

(i)

(ii)	Define 'Growth hormone'	
(iii)	Enumerate the uses of application of plant growth hormones in agriculture.	
(iv)	Write a brief note on short day plants.	
(v)	Give examples of DNP.	
(vi)	Differentiate between stress and strain.	
(vii)	Write in brief about effect of stress on cell membrane.	
(viii)	What is abscission and state its importance in plant life.	
Q3. Write a	a note on Auxins. OR	(08)
Q3. Discus	s: (a) Role of kinetin in senescence	(05) (03)
Q4. Write i	in detail about Phytochrome. OR	(08)
/	inguish between SDP, LDP and DNP.	(04) (04)
Q5. Write a	a note on types of Abiotic environmental stress.	(08)
Q5. Discus	<u>OR</u> s: Write about stress resistant mechanism.	(08)
		(05) (03)
100 DEL 22	te in detail about theories of senescence.	(05)
(b) Wri	te the biological significance of senescence.	(03)

(5x2=10)