This question paper contains 3 printed pages]

## R-84-2017

## FACULTY OF SCIENCE

## B.Sc. (Second Year) (Third Semester) EXAMINATION MARCH/APRIL, 2017

## BOTANY

Paper VII

(Histology, Anatomy and Embryology of Angiosperms)
(MCQ+Theory)

(We	dnes	sday, 5-4	4-2017)	Time: 2.00 p.m. to 4.00 p.m.					
Time	e—2	Hours			Maximum Marks—40				
N.B.	:	(i) A	$\Delta t tempt \ All \  ext{ques}$	tions.					
		(ii) A	$\Lambda ll$ questions car	ry equal mar	ks.				
				(MCQs)	10				
1.	(i)		is the outern	oot apex.					
		(a)	Periblem	(b)	Dermatogen				
		(c)	Plerome	(d)	All of these				
	(ii)	Apic	cal cell theory was	· · · · · · · · · · · · · · · · · · ·					
	\$ C	(a)	Nageli	(b)	Hanstein				
	0 P	(c)	Schmidt	(d)	Schuepp				
31,0,0	(iii)		is the compo	onent of xylem					
		(a)	Sieve tube	(b)	Companion cell				
		(c)	Vessel	(d)	None of these				
	(iv)	A gr	oup of parenchym	atous cell that <sub>l</sub>	performs photosynthesis is				
		(a)	Aerenchyma						
	77 70 70 00	(b)	Chlorenchyma						
		(c)	Stellate parench	nyma					
	W. C.	(d)	Storage parench	nyma					
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2.

WT			(	3	)		$\mathbb{R}$	84—	-2017
3.	Expla	in in detail normal	seconda	ry g	rowth in s	unflower r	oot.		10
				Or					
	Write	short notes on:						12.01 21.01 21.01	
	(a)	Types of vascular	bundle	St					
	( <i>b</i> )	T.S. of Maize leaf.							
4.	Descr	ibe the development	of male	e gai	metophyte.			100°	10
								3 X	,5

Write short notes on :

- (a) Polygonum type of Embryo sac
- (b) Nuclear endosperm.