This question paper contains 3 printed pages]

R-64-2017

FACULTY OF SCIENCE

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

BOTANY

Paper VIII

(Gymnosperms and Palaeobotany)

(MCQ+Theory)

		(IVIC	Q + I He O (y)	1 2 3 3 3 3 3 3 4 D 3 1 D 2 2 3 6 1 8 3 1 D		
day, 3	1-3-20	17)		Time: 2.00 p.m. to 4.00 p.m.		
e—Tw	o Hou	rs		Maximum Marks—40		
<i>:</i> —	(i) A	Attempt All question	ns.			
((ii) A	Λll questions carry ϵ	equal mark	S. 7000000000000000000000000000000000000		
(i	ii) (Choose the correct a	answer for	MCQ.		
			(MCQs)			
Multiple Choice Questions:				10		
(i)	Gyn	nnosperms are				
	(a)	Annual	(b)	Biannual		
	(c)	Perennial	(d)	None of these		
(ii)	··············					
	(a)	Zoophily	(b)	Anemophily		
	(c)	Entomophily	(d)	All of these		
(iii)	Cora					
	(a)	Pinus	(b)	Cycas		
25/2/2	(c)	Gnetum	(d)	Ephedra		
(iv)	Cyca	as Ivs are used for	•••••			
66 67 6	(a)	Hats	(<i>b</i>)	Mats		
C 4 6	(c)	Baskets	(d)	All of these		
	e—Tw : (i (ii Mult (ii)	E—Two Hou E—Two Hou E—(i) A (ii) A (iii) C Multiple C (i) Gyn (a) (c) (ii) In C (a) (c) (iii) Cora (a)	day, 31-3-2017) —Two Hours — (i) Attempt All question (ii) All questions carry (iii) Choose the correct at Multiple Choice Questions: (i) Gymnosperms are	— Two Hours — (i) Attempt All questions. — (ii) All questions carry equal mark — (iii) Choose the correct answer for — (MCQs) Multiple Choice Questions: — (i) Gymnosperms are — (b) — (c) Perennial (d) — (ii) In Gymnosperms, pollination is — (a) — (a) Zoophily (b) — (c) Entomophily (d) — (iii) Coralloid roots are present in — (a) — (a) Pinus (b) — (c) Gnetum (d) — (iv) Cycas Ivs are used for — (b) — (a) Hats (b)		

P.T.O.

WT			(2)	R-64-20	017			
	(v)	In yo	In young stem of pinus absent.							
		(a)	a) Vessels and wood fibres							
		(<i>b</i>)	Trachieds and wood parenchyma							
		(c)	Both (a) and (b)				45 T			
		(d)	None of the above	5	SE SE SELVE					
	(vi)) The pinus plant is								
		(a)	Herb		(b)	Shrubs	920			
		(c)	Tree		(d)	Climber				
	(vii) Albuminous cells are occur in phloem of									
		(a)	Pinus		(b)	Gnetum				
		(c)	Cycas		(d)	Ephedra				
	(viii)	Family gnetaceae is represented by								
		(a)	Cycas		(b)	Gnetum				
		(c)	Pinus	× (C)	(d)	Ephedra				
	(ix)	When the original plant material is replaced particle by certain mineral in type of fossil								
		(a)	Impression		(b)	Compression				
	STANCO	(c)	Petrifaction		(d)	Coal-balls				
	(x)	Cenc	ozoic era regarded as							
5,50		(a)	Era of primitive life		(b)	Era of ancient life				
		(c)	Era of medieval life	500	(d)	Era of modern life				
7,70			(The	eoı	ry)					
2.	Descri	Describe the reproductive structure of male cone in cycas. 10								
		1703	1.67.57.69.75.75.	Эr						
	G, 10, 10, 0	rite short notes on :								
	7 - C	Primary growth in cycas stem								
W C	(<i>b</i>)	Anatomy of cycas leaflets.								

WT	(3)	R— 64 — 2017
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3. Define secondary growth. Describe secondary growth in pinus stem. 10

Write short notes on:

- (a) T.S. Needle of pinus
- (b) Male cone of pinus.
- 4. Describe the reproductive structure of female cone in Gnetum.

Write short notes on:

- (a) Process of fossilization
- (b) General characters of Ginkgo.