NEW

Part-III 3-Tier
2016
BOTANY
(Honours)
PAPER-VII
(PRACTICAL)

Full Marks: 100

Time: 6 Hours

The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

1. (a) Dissect and display the morphological parts of the specimen 'A'. Characterize it with suitable labelled sketches.

[Dissection & display—2 ; Labelled sketches—3 ; Description of Morphological characters—3]

- (b) Write the morphological features of the specimen B₁', B₂' and B₃'.
- 2. Draw, label and describe the specimen 'C' with proper botanical terms. Dissect the flower and leave the preparation. Write the floral formula and draw the floral diagram. Identify the family and genus with reasons following the supplied published key.

[Drawing & labelling—3+2; Description—5; Dissection of floral parts—2; Floral formula—1; Floral diagram—1; Identification the family with reasons—2; Identification of the genus with reasons—2;

		$(q, q_0) = (2, q_0)$			
3.	(a)	The results of the state of the	the with 12		
	(b)	Make a thin T.L.S. / R.L.S. of the specimen 'E' prepare a temporary slide. Draw, label and ide the specimen with anatomical comments. Leave preparation.	ntify		
	ī.	Section cutting—1 ; Drawing—2 ; Labelling Anatomical Comments—2 ; Identification	—2; ı—1∫		
4.	(a)	Make a temporary preparation of the crude of powder of the specimen F'. Draw, label and ides the crude drug. [Labelled sketches—2; Identification with reasons	ntify 4		
	(b)	Identify the specimen 'G' performing at least chemical tests for tannin or alkaloids	two 2+2	¥	
5.		dentify the specimens 'H', T', 'J', 'K, 'L' and 'M'. Mention heir family names, generic names and specific epithets.			
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		Family $-rac{1}{2}$; Generic name $-rac{1}{2}$; Specific epithet	$-\frac{1}{2}I$		
6.	Sul	omission:			
	(a)	Herbarium specimens.	6		
	(b)	Laboratory Note Book.	10		
	(c)	Field records.	3		
	(d)	Permanent Slides (made during practical classes).	2		
7.	Viv	a-Voce.	10	. >	