[This question paper con	tains 4 printed	pages.]				
Sr. No. of Question Paper	: 689	G	Your Roll No			
Unique Paper Code	: 216301	,				
Name of the Paper	: Plant Resou	rce Utilization (	BTHT - 304)			
Name of the Course	: B.Sc. (Hon	s.) Botany				
Semester	: III					
Duration: 3 Hours			. Maximum Marks: 75			
Instructions for Candid	dates					
1. Write your Roll No	. on the top im	nediately on rec	eipt of this question paper.			
2. Attempt five question	2. Attempt five questions in all.					
3. Question No. 1 is co	ompulsory.					
4. All questions carry	equal marks.					
5. Draw labelled diagr	ams and write b	ootanical names	wherever necessary.			
6. Answer all parts of	a question toge	ether.				
1. (a) Fill in the blan	ks (any five):		(5×1=5)			
(i) Lathyrisi	n is a disease c	aused by				
(ii) (cremoca		spice obtained	from a schizocarpic fruit			
(iii) The prac	tice of ratoonin	g is used for pro	pagating			
(iv)	is a sou	rce of digitalin,	a glycoside.			
(v)	is a so	urce of starch fi	com its tubers.			
(vi)legumes.	is t	he richest soui	rce of protein among the			

	(b) Matc	n the following:		$(5\times1=5)$
	(i)	Vetiver zizaniodes	A. Kalpavriksha	
	(ii)	Piper nigrum	B. Root	
	(iii)	Cocos nucifera	C. "King of spice"	
	(iv)	Arachis hypogaea	D. Cauliflory	
	(v)	Theobroma cacao	E. Geocarpic fruit	
	(c) Expa	and any five of the following:		(5×1=5)
	(i)	IARI		
	(ii)	FRI .		
	(iii)	CDRI		
	(iv)	CPRI		
	(v)	CAZRI		
	(vi)	IBPGR	-	
2.	Draw labe	elled diagrams of any three of the	following (Write botanica	al name and $(3\times5=15)$
	(i) L.S.	of wheat grain		
	(ii) T.S.	of jute stem		
	(iii) T.S. o	of citrus fruit		
	(iv) L.S.	of clove		
3.		ate between <b>any five</b> of the follow	ving :	(5×3=15)

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	(ii)	Porous wood and non-porous wood	
	(iii)	Dry and wet processing of coffee	
	(iv)	Cereals and millets	
	(v)	C. capsularis and C. olitorius	
	(vi)	Flue curing and sun curing	
4.	Writ	te short note on any five of the following: (5	×3=15)
	(i)	Tapping of latex from para rubber tree	
	(ii)	Parboiling	
	(iii)	TPS technology	
	(iv)	Tobacco and its health hazards	
	(v)	Nobilisation of sugar cane	
	(vi)	Extraction methods of essential oils	
	(vii)	Role of dwarf varieties of wheat in green revolution	
5.		te the botanical name, family, part used and economic importance of a following:  (5)	any five (×3=15)
	(i)	Bhang	
	(ii)	Linseed	
	(iii)	Gutta Percha	
	(iv)	Teak	
	(v)	Cotton	
	(vi)	Mustard	
	(vii)	Poppy	

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6.	(a)	Write a brief note on economic importance of legumes.	(5)	
	(b)	Give a detailed account of plantation, harvesting and processing tea.	of (5)	
	(c)	Define centre of origin of cultivated plants. Discuss in relation to Vavilor concept.	v's (5)	
7.	(a)	What is retting? Explain this process in jute.	(5)	
	(b)	Coconut is a multi-purpose tree. Comment on the statement.	(5)	
	(c)	What are the products and by- products of sugarcane industry? Also menti	ion	
		their uses	(5)	