

KERALA AGRICULTURAL UNIVERSITY

B.Tech.(Food Engg) 2016 Admission VI Semester Final Examination- June 2018

Food Industry Waste Management (2+0)

Marks: 50

Time: 2 hours

1		Fill up the blanks	(10x1=10)
	1	Chemical activation for activated carbon production is preferred over phy temperature; short time	sical activation due to
	2	Lignocelluloses is composed of hemicellulose, lignin and	
	3	In production of particle board from coir pith phenol formaldehyde of	% is used.
	4	is swelling of starch granule in presence of heat and water.	
	5	is process done to produce smooth surface paper.	
		State whether the following statements are true or false	
	6	Biomass energy is a renewable source.	
	7	Activated carbon has very low degree of micro porosity.	
	8	Rice husk ash contains more than 80% silica.	
	9	Briquetting process with binder material requires high pressure	
	10	Rice bran fraction contains 14-18% oil.	٠,
II	•	Write short notes/answers etc on ANY FIVE	(5x2=10)
	1	Carbonization.	
	2	Pyrolysis.	
	3.	Stabilization.	
	4	Molasses number.	
	5	Iodine number.	
	6	Explain BOD.	
	7	Dandering.	
Ш	,	A namer any FIVE of the following.	(5x4=20)
	1	What are wastes from tuber crops?	
	2	- · · · · · · · · · · · · · · · · · · ·	
	3	- lucic and pasification of rice nusk.	
	4	at a utilization from coconul industry.	
		Oil extraction from fish waste.	
	5	- vi stion of rice bran.	
	6 7	treatment plant in Iruit industry.	
T \$ 7	,	ONLY AT THE TOHOWING	(1x10=10)
IV	1		
	1	Nature and availability of food waste from meat and poultry industries. By-product utilization from meat and poultry industries.	
	2	Dy_P^	