KERALA AGRICULTURAL UNIVERSITY

B.Tech (Food.Engg) 2012 Admission
VIth Semester Final Examination- June/July -2015

	Cat. No: Fdsc.3206 tle: Fermentation Technology (1+1)	Marks: 80 Time: 3 hour
=	Part A	
Answe	er the following	$(10 \times 1.0 = 10.0)$
	the blanks	y
2. 3. 4. 5.	During fermentation yeast converts sugars into Carbon di oxide is used for bread. protein animal feed can be produced using being the submerged process, the substrate used for ferment Most nutrient media are presently sterilized in the bioreact	ation is in state.
6. 7. 8. 9.		
	Part B	
Answe	er any TEN questions	(10 x 3 *=30 .0)
Define	e/Explain	
1.	SCP	
2.	Buffering agents	
3.	Microbial biomass	
4.	Microbial metabolites	
5.	inoculums	•
6.	Sausages	
7.	Batch filtration	
8.	Ethonolic fermentation	
9.	Solid state fermentation	
10	. Aerobic fermentation	
11	. Butter milk	•
12	. Brandy	

Part C

Answer any SIX questions

 $(6 \times 5.0 = 30.0)$

- Explain benefit of fermentation.
- 2. Write a note on microbial kinetics.
- 3. Discuss sterilization of fermentation media
- 4. Explain functions of fermentor.
- 5. Write a note on purifications of food products.
- 6. Explain production of sausages
- 7. Briefly explain production of Vinegar.
 - 8. Discuss production of Dhokla.

Part D

Answer any ONE question

 $(1 \times 10.0 = 10.0)$

- 1. Discuss in detail about types of fermentor.
- 2. Write a detailed note on modern fermented products.