Printed Pages: 3

EBT-032



(Follo	owing Pape	er ID and Roll No. Answer Bool		
Paper	ID: 15475	Roll No.		
		B. Tech.		
(SEM. III) T	HEORY EXAMINA	TION, 2015-16	
	BIOFUEL	S & ALCOHALTE	CHNOLOGY	
[Time:3 hours]		[Ma	[Maximum Marks:100]	
		SECTION-A		
	pt all parts. A art in short.	All parts carry equal n	narks. Write answer of (10×2=20)	
1.	11 . (1)	Write the name of fermentation if cabbage is used as substrate.		
	(b) Explain	Gasohol.		
	(c) What efficien		d by fermentation	
	(d) Describ	be top yeast & bottor	n yeast.	
	(e) What d	o you mean by synga	s fermentation?	
	(f) Write		necessary for yeast	
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- (g) Discuss denatured alcohol.
- (i) What is E-number? (h) What do you mean by proof spirit?
- Define fusel oil.
- (k) Give the name of some by products produced during alcoholic fermentation.
- (l) Define Encillium process
- (m) What do you mean by chemostat?
- (n) Define single cell protein with one example.

SECTION-B

Attempt any five questions from this sections. $(5\times10=50)$

- Describe various yeast strains used in breweries. What are the various parameters which affect the yeast
- س alcohol fermentation. Describe the importance of aeration and agitation in Describe in brief with examples
 - What do you understand by biostill fermentation?

- Define Crabtree Effect in detail. How it affects alcohol
- Discuss the criteria for selecting the microorganisms for industrial production?
- Describe advantages, disadvantages of using alcohol
- Define Fermentation. State its various applications.
- Describe the procedure of estimation of specific gravity of beer.

SECTION-C

Attempt any two questions from this section. (15×2=30)

10.

- production? Discuss the production process of ethanol What are the various raw materials used for ethanol form molasses with a flow diagram.
- Write a detailed note on thermal gasification of
- Write an essay on "Food Vs Fuel".

12.

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