R13

Code No: **RT41357**

Set No. 1

IV B.Tech I Semester Supplementary Examinations, February/March - 2018 FOOD PROCESSING PLANT DESIGN AND LAYOUT

(Agriculture Engineering)

Time: 3 hours		3 hours Max. Marks:	Max. Marks: 70	
		Question paper consists of Part-A and Part-B Answer ALL sub questions from Part-A Answer any THREE questions from Part-B *****		
1.	a) b) c) d) e) f)	PART-A (22 Marks) Explain the principles of plant layout Explain salient features of maize processing plant What are the salient features of poultry plants? What is optimum plant design? What is the importance of air conditioning in food processing plants? What are the different methods for removal of particulate solids?	[4] [4] [4] [3] [4] [4]	
2.	a) b)		[8]	
3.	a) b)	What are the salient features of oilseeds processing plants? Draw the layout of oilseeds processing plant What are the salient features of vegetable processing plants? Draw the layout of vegetable processing plant	[8]	
4.	a) b)	What are the factors involved in the plant location decision What are the salient features of fish processing plants? Draw the layout of fish processing plant	[8]	
5.	a) b)	Explain different types of project designs What are the design considerations of a food processing plant	[8] [8]	
6.	a) b)	Explain the maintenance of food plant building Explain different handling equipment used in food processing plants	[8] [8]	
7.	a) b)	Explain the importance of cleaning and sanitation in food processing plants Explain different methods for treatment of food plant waste water	[8]	