No. of Printed Pages: 2

RDR-004

Ph.D. IN DAIRY SCIENCE AND TECHNOLOGY (PHDDR)

Term-End Examination

□□□1□ June, 2015

RDR-004: RESEARCH AND DEVELOPMENT MANAGEMENT IN DAIRY PROCESSING

Tir	ne : .	3 hours Maximum Marks : 1	Maximum Marks : 100			
No	te :	Attempt any five questions. All questions ca equal marks.	rry			
1.	(a)	Describe the on-going and priority research in the area of functional dairy foods.	10			
	(b)	Reflect on research areas to promote growth and export of traditional dairy foods.	10			
2.	(a)	Develop an organisational structure for a research unit in a dairy union having a processing plant. Design a framework of activities.	10			
	(b)	Describe the different steps involved in technology development process.	.10			
3.	(a)	Reflect on human resource requirements and strategies for human resource development for a Dairy Federation in a State.	10			
	(b)	Describe the factors involved in motivation and team building of human resource in a dairy plant.	10			

Give the principles of HACCP. Explain in detail the method of implementation and certification of HACCP programme in a fluid milk plant.							
(a)	Describe ISO – 140	the 01.	salient	features	of 10		
(b)	Review the Indian	the Patent	current s Act.	status	of <i>10</i>		
Develop a technical report for establishment of a multi-product dairy plant with handling capacity of 2.0 lakh litres of milk every day.							
Write short notes on any four of the following: $4 \times 5 = 20$							
(a)	Total Qua	lity Ma	nagement				
(b) GHP and GMP for a Dairy Plant							
(c)	Transaction	onal An	alysis				
(d)	Typologica	al Analy	rsis				
(e)	Six - Sign	O					
	DIX - DIGII	ia Conc	ept				
	the of H (a) (b) Dev multof 2 Writefold (a) (b) (c) (d)	the method of of HACCP programs of HACCP program	the method of implem of HACCP programme (a) Describe the ISO – 14001. (b) Review the the Indian Patent Develop a technical remulti-product dairy plate of 2.0 lakh litres of mill Write short notes following: (a) Total Quality Mathod GMP and GMP for the implementation of the implemen	the method of implementation a of HACCP programme in a fluid of HACCP programme in a fluid of the correct of the salient ISO – 14001. (b) Review the current of the Indian Patents Act. Develop a technical report for est multi-product dairy plant with he of 2.0 lakh litres of milk every day. Write short notes on any following: (a) Total Quality Management (b) GHP and GMP for a Dairy For the correct of the	the method of implementation and certificate of HACCP programme in a fluid milk plant. (a) Describe the salient features ISO – 14001. (b) Review the current status the Indian Patents Act. Develop a technical report for establishment multi-product dairy plant with handling capa of 2·0 lakh litres of milk every day. Write short notes on any four of following: (a) Total Quality Management (b) GHP and GMP for a Dairy Plant (c) Transactional Analysis (d) Typological Analysis		