

# RDL 760 "FOOD QUALITY & SAFETY"

Major Exam

Date 10.5.2016

Max.Marks = 32

Time= 2 hrs

NOTE: Use English/Hindi as per your convenience

- Q.1 (a) Draw diagram for explaining the "Universe of Food Quality and Safety" and discuss any **ONE** dimension.
- (b) Considering the entire course, design **TWO** statements related to True/False and answer any **ONE**.
- (c) List future research areas under any **ONE** industry discussed in class. Write your technical contribution in this context.
- (d) Write your formula for measuring Holistic Health(HH) and identify **TWO** critical parameters for getting higher score of HH
- (e) Recalling presentations (compulsory session) which topic (**excluding your own**) appealed you most. Explain briefly.
- (f) List **FIVE** important Questions which RDL760 could raise in your mind

(12)

- Q.2 (a) Considering Food Sector write New definition of Technology OR Efficiency
- (b) List New Examples of Modern Technology which comes under Swadeshi. Discuss the significance (if any) of human values inbuilt in the concept of Swadeshi? Explain briefly
- (c) Discuss the desirability of following in the context of health

Gur Vs Sugar production.

OR

Brown Rice Vs Polished Rice

OR

Traditional Vs Modern Ghee Production Tech.

(6)



- Q.3 (a) Discuss impact of trans fats (TFA) on health and mechanism involved in inducing diabetes/cardiovascular problem

OR

Explain the "Design Power" or Nature through Food Therapy

- (b) Identify **ONE** festival food product rich in cholesterol and poor in dietary fibre etc. Explain New recipe of making this product wholesome.
- (c) List grain storage pests and pest control measures used in MGSS OR TGSS  
Write **TWO** important points related to chlorpyrifos use and discuss mechanism involved in health hazards.

(6)

- Q.4 Examine any **EIGHT** Statements (True/False) and justify your answer giving important reasons.

- (i) Natural Farming is fundamentally different than Organic Farming
- (ii) Quality of food has no relation with functional profile of cooking system
- (iii) There is no scientific fact behind "Energy – Excretion System" interdependence
- (iv) Food security simply relates to human species in Nature
- (v) Maslow Model needs fundamental modification in view of SAP theory
- (vi) The change in Worldview referred by Dr. Dossey will increase hunger in the World.
- (vii) Browning of wheat flour dough depends on Kitchen hygiene.
- (viii) G-K industry generates lot of liquid and solid waste
- (ix) Knowledge in Videos (Rajeev Dixit) is relevant even in modern life style
- (x) TGSS is not valid in modern agriculture system

(8)

----- ALL THE BEST -----