

RDL 760 "Food Quality and Safety"

MAJOR EXAM

Date 3.5.2015

Max Marks = 40

Time = 2hrs

don't take this course

NOTE Use English / Hindi as per your convenience

Q.1 (a) Define *Swadeshi* and discuss significance of human values in this context. Is swadeshi concept hostile to modern technology? Explain through a New example.

(b) Write TWO important points of "संशुद्धित आहार" which inspired you. Based on articles "Food Therapy" and "Junk Food", design suitable daily diet on scientific basis for Your Hostel OR Construction Labourers

(2+3)

2+4

Q.2 (a) Understanding the operational aspect of G-K industry, write technical answers to following:

- How renewable energy is sufficient?
- How it is non - polluting industry?
- Why government financial support is not required?
- Why its products are called wholesome as compared to sugar

(b) List organic food production system for minimizing agro-toxicity.

OR

List harmful effects of endosulfan (for crops) and chlorpyrifos (for stored grains). Suggest alternative for any ONE pesticide.

(3+2)

Q.3 (a) Explain

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 bond giving ONE example with scientific basis.

(b) Considering the entire course, design FOUR New statements (True/ False) and answer any ONE.

(c) Prepare comprehensive list of future research areas separately under each topic. Explain your possible technical contribution for solving any ONE research problem.

(d) List FIVE important questions which RDL760 could raise in your mind. Suggest solution for any ONE.

(e) Which Term Paper Presentation (excluding your own) appealed you most? Explain briefly.

discuss

(10)

(1)

P.T.O

→ Quality

Q.4 (a) What are food additives? Discuss how edible Non-timber Forest Produce can be explored for food supplement.

(b) What are different food safety norms used in India? Discuss about HACCP.

(c) Short Note any Two of the following.

- (i) Nutraceuticals (ii) Natural Antioxidants (iii) Agro based Industries

OR

Write formula for evaluating Holistic Health OR Desirable Food Industry in India

(3+3+4)

Q.5 Examine any FIVE Statements (True / False) and justify your answer giving important reasons (point wise).

(i) / The change in worldview referred by Dr. Dossey would increase hungry people in the world.

(ii) Maslow Model needs fundamental modification in view of the concept of Holistic Health.

(iii) Oxytocin is very useful for grain storage system.

(iv) / η of MW cooking is very high.

(v) SAP (*Saha- Astitwa* principle) is very important for Food Security

(vi) / Browning of wheat flour dough depends on crop production techniques.

(vii) / Traditional knowledge is equally valid for modern grain storage system.

(viii) / 'Energy from food' is a multidimensional aspect.

(2)

(10)