

**MASTER OF TECHNOLOGY IN FOOD TECH. &
BIOCHEMICAL ENGINEERING EXAMINATION, 2012**

(1st Semester)

**AGRO INDUSTRIAL PROJECT PLANNING
AND MANAGEMENT**

Time : Three Hours

Full Marks - 100

(50 marks for each Part)

Use a separate Answer Script for each Part

Part - I

Answer any **Three** questions

$\frac{2}{3}$

1. Define storage of agricultural materials. What are the basic principles of crop storage? What bulk handling equipments and transportation infrastructures are needed for storage? Discuss on modern storage structures indicating the benefits of gas storage structure and hermetic storage structure.

$$2+3+4+7\frac{2}{3}=16$$

2. What has been the major focus in agricultural infrastructures in India? Why it is a social capital? Justify that infrastructure increases agricultural production and productivity. Define manpower planning for agriculture and discuss its quantitative and qualitative aspects. Make a list of utilities requirement for the improvement of agriculture and agribusiness.

$$2+2+2+7+3 = 16$$

[Turn over

3. What are the special features and special hurdles in agri-based industries and how efficient supply chain management can help to solve it? Discuss the general objectives, functions and strategies of agro-product distribution and marketing.

12+4 =16

4. What are the main issues to be addressed for capacity build up in agri-business? How agribusiness incubator centres can help in the growth of capacity? Justify that poultry is one of the fastest growing segments of the agricultural sector in India today.

4+5+7 =16

5. What are the various models for contract farming? How agricultural mechanisation can improve production, productivity and profitability? Justify that systematic linkages development can improve agriculture management.

5+3+8 =16

Part - II

Answer any **Three** questions

All questions carry equal marks.

6. Discuss the present status of agro based food processing industries in India. Suggest what are the methods need to be adopted to exploit the further opportunities in agro-food industries?

7. What is the role of public-private partnership in food quality and safety management? Discuss the major issues facing public private food quality control laboratories.

8. Discuss some practical considerations regarding quality assurance in agri-food enterprises. What are the considerations at stake?

9. Discuss the major guidelines and eligibility criteria related to agriculture and agrifoods development fund.

10. Write notes on :

- Task force on food security crisis.
- Fruits and vegetables processing industries in India.
- Gender and social inclusion as safeguards of agri-food business development.
- Major constraints faced in the development of small and medium scale rural based food processing industries.
- Technology selection for rural based food industries.

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