

AGRICULTURAL AND FOOD ENGINEERING DEPARTMENT
I.I.T. KHARAGPUR
Mid Spring Semester Examination 2015

Date of Examination: --.--.2015

Subject Number: AG60062

Time: 2 hours

Subject Name: Management and productivity

Full Marks: 30

No. of students: 9

Answer all questions.

1) (a) Illustrate six important characteristics of farming as a business.

(b) Differentiate between type and system of farming with suitable example. What type of cooperative farming is suitable in India?

4+2=6

2) (a) Explain the law of diminishing return with a suitable example. How the maximum production and profit at an economic level is decided? How does it help a farmer in decision making?

(b) Write different types of product –product relationship. Draw a Production Possibility curve for an input for producing two competitive products Y_1 and Y_2 . Determine maximum income giving combination of these two products. How does the change of product price affect the optimum combination of output?

8+6=14

3) What are different advantages of farm planning? Draw a farm layout of 10 hectare area with a suitable cropping scheme. The irrigation source is deep tubewell with a facility of micro-irrigation.

6x1=6

4) Write short notes on: (any two):

(a) Strategic decision (b) Elasticity of production (c) Enterprise mix

2x2=4