

15-11

KERALA AGRICULTURAL UNIVERSITY
B.Sc.(Hons.) Agriculture – 2010 Admission - 1st Semester
Final Examination – March/April 2011

Cat. No. : Agro 1101

Max. marks: 80

Title : Introductory Agriculture (1+0)

Time : 3 hours

I. Fill up the blanks

12 x 0.5 = 6

1. _____ is the major soil type of Kerala
2. The book entitled "The Agricultural Systems of the World" was written by _____
3. The origin of sugarcane is _____
4. Study of farm machinery, processing, bio-energy, soil and water conservation is known as _____
5. Shade loving crops are known as _____
6. Plant tissue contains _____ % of water
7. Advanced form of primitive agriculture based on the principle of "grow it and eat it" is known as _____
8. Grow more food campaign was started in the year _____
9. The first Agricultural University started under land grant pattern in India was _____
10. Green revolution was started during the year _____
11. Agriculture is _____ years old
12. Bengal famine occurred during the year _____

II. Match the following

12 x 0.5 = 6

- | | |
|--------------------------|----------------------------------|
| 1. CTCRI | a. New Delhi |
| 2. Hunting and gathering | b. Chichpea |
| 3. Gender role analysis | c. Anand |
| 4. White revolution | d. <i>Cocos nucifera</i> |
| 5. N.E. Borlaugh | e. Central Asia |
| 6. Law of minimum | f. Women in development approach |
| 7. ICAR | g. Nobel laureate |
| 8. Coconut | h. Milk |
| 9. Wheat | i. Paleolithic |
| 10. Drudgery | j. Justus van liebig |
| 11. NDDB | k. Burdened by hard tasks |
| 12. Rabi crop | l. Trivandrum |

III. State True or False

12 x 0.5 = 6

1. The imperial agricultural research institute at Pusa was started during the period of Lord Curzon
2. Kerala Agricultural University was established at Mannuthy in 1972
3. Neolithic age is referred as the 'Age of food producers'
4. Lux is the unit of measuring solar radiation
5. Rice cultivation was started in India during 4400 BC
6. Horticulture deals with study of field crops and their management
7. Maize is the major staple cereal food crop of Kerala
8. Peat soils contain high organic matter
9. Kerala is benefited by Southwest monsoon
10. In India based on temperature the seasons are divided into four
11. Rice is a short day plant
12. Number of men dependent on agriculture has come down to 60% while the number of women in agriculture figure to 80%

IV. Write answers in a word or sentence / define

12 x 0.5 = 6

1. Heritage
2. Peasant farming
3. Intensive agriculture
4. Green revolution
5. Livestock fattening
6. Pastoralism
7. Market gardening
8. Short day plants
9. Mediterranean agriculture
10. Suffocation
11. Farming system
12. GATT

V. Write short notes / answers etc. on ANY EIGHT

8 x 2 = 16

1. Agriculture is an art – explain
2. Agricultural seasons of India
3. Diffusion of crops during medieval period
4. Irrigated agriculture
5. Commercial agriculture
6. Ergonomical approaches
7. Shifting cultivation
8. Recessional farming
9. Bio-diversity & food security
10. Basic elements of crop production

VI. Explain ANY FOUR of the following

4 x 5 = 20

1. Importance of agriculture in India
2. Agriculture in Kerala
3. Green revolution – Origin, elements and its criticism
4. Impact of second world war on food production
5. Occupational health hazards

VII. Answer ANY TWO of the following

2 x 10 = 20

1. Discuss the various developments made in Indian Agriculture
2. Explain the empowerment of rural women
3. Describe the agricultural growth and contrasting food chains