

B.Sc.(Ag.) Honours Semester– I Examination, 2014

Course No. : AGR –111 (Introductory Agriculture)

(New Syllabus)

Signature of Centre Superintendent

Roll No.: (in figure) _____ (in words) _____
Student Index No. _____ Regn. No. _____ of _____

Time : Two hours

Full marks : 60

Questions are of value as indicated in the margin

Part-I

(Objective and Short Answer Type)

(Use only ball point pen)

Time : 20 minutes

Full marks : 20

- Note:** 1. Answer in question paper itself.
2. Striking, rewriting and overwriting are not allowed in the objective type questions.

1. State True (T) or False (F) in respect of the following statements: (any ten) 10×1=10

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|---|--------------------------|
| i) Proper antenatal care can reduce maternal morbidity and mortality. | ☐ |
| ii) Poverty as well as ignorance contribute to under nutrition and malnutrition. | ☐ |
| iii) Life expectancy at birth is higher for developing and underdeveloped countries. | ☐ |
| iv) Sex ratio is a sensitive indicator of the status of women in any society. | ☐ |
| v) Women play many important roles but most of them are considered as invisible roles. | ☐ |
| vi) Improved agricultural technology have reduced women's work load and at the same time converted them from primary producers to subsidiary workers. | ☐ |
| vii) Vernalization is the injury to plants caused by a lifting upward of the plant along with the soil from its normal position in temperate regions where snow fall is common. | ☐ |
| viii) IARI is situated at Phillipines. | ☐ |
| ix) According to FAO, "Women produce between 60 & 80% of the food in most developing countries and are responsible for half of the world's food production". | ☐ |
| x) One of the important occupational hazards of women in agriculture is caused by pesticides. | ☐ |
| xi) India ranks second in wheat production of the world. | ☐ |
| xii) Climatic condition of a particular region decides time of sowing of a crop. | ☐ |

2. Fill in the blanks with most appropriate words (any ten): 1×10=10

- | |
|---|
| i) The range of temperature for most of the agricultural plants is _____. |
| ii) Wheat was domesticated in the _____ century. |
| iii) ICAR was established in _____. |
| iv) IARI stands for _____. |
| v) _____ is one of the most widely spread deficiency disorder among rural women in India which occurs due to deficiency of _____ and _____. |
| vi) In world agriculture, India ranks _____ in rice area. |
| vii) Dryland agriculture provides food for _____ % population in India. |
| viii) The term agriculture is derived from the _____ words <i>ager</i> or <i>agri</i> meaning _____ and <i>cultura</i> means _____. |
| ix) During 15th and 16th century AD many crop were introduced to India by _____. |
| x) Water use efficiency is highest in _____ method by irrigation. |
| xi) Average annual rainfall in dryland farming ranges from _____ to _____. |

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Part–II

(Descriptive Type)

Time : 100 Minutes

Full marks : 40

Questions are of value as indicated in the margin.

Answer **any four** questions from the following.

3. Justify the statement - “Agriculture is an art, business and a science”. What is meant by basic elements in crop production? What are the external factors affecting crop production?
Enumerate the effects of excessive moisture on crop growth and productivity. 3+2+3+2=10
 4. What do you mean by empowerment? What are the different types of empowerment? Write down the various long term and short term strategies for empowering women. Enlist the Government initiatives taken to empower rural women. 2+2+4+2=10
 5. State the brief history of agricultural development in India. State the chronological development of agricultural technology in India. Discuss the role played by ICAR in development of Indian Agriculture. 4+3+3=10
 6. What are the special features of Indian agriculture with respect to diversity in physiography and soil? Write the importance of irrigation. Describe in brief about the sprinkler irrigation method. 2+2+6=10
 7. What is meant by a farming system approach (FSR)? What are the aims/objectives of FSR? What is meant by value addition in agriculture? Give two examples of increased profit through value addition. 3+2+3+2=10
 8. Write short notes on: 4×2.5=10
 - a) Drudgery reducing implements for women
 - b) Border strip method of irrigation
 - c) Photoperiodism
 - d) Self-help group
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