QCA : 01/I

AGRICULTURE, AGRICULTURE MARKETING, SERICULTURE AND COOPERATION : Paper-I

2014

Time : 3 hours

Maximum marks : 250

Instructions

(i) In all questions 2 marks each.

(ii) For every question, 1 mark each should be attempted.

(iii) Attempt 6 questions out of 8.

(Please read each of the following instructions carefully before attempting questions)

There are EIGHT questions divided in two sections and printed both in KANNADA and in ENGLISH.

Candidate has to attempt FIVE questions in all.

Question No. 1 and 5 are compulsory and out of the remaining, THREE are to be attempted choosing at least ONE question from each Section.

The number of marks carried by a question/part is indicated against it.

Answer must be written in the medium authorized in the Admission Certificate which must be stated clearly on the cover of this Question-cum-Answer (QCA) Booklet in the space provided. No marks will be given for answers written in a medium other than the authorized one.

Word limit in questions, wherever specified, should be adhered to.

Attempts of questions shall be counted in chronological order. Unless struck off, attempt of a question shall be counted even if attempted partly. Any page or portion of the page left blank in the Question-cum-Answer Booklet must be clearly struck off.
1. (a) Provide the major cropping patterns for agroclimatic zones of South India.

(b) Explain the production package for rice in irrigated command areas of Karnataka.

2. Describe different problematic soils of India and their management.

3. Explain the major multiple cropping systems followed in India with examples.

4. Provide the scientific package for mulberry production.
5. (a) Define water use efficiency. Explain the practices to enhance water use efficiency.

(b) Explain the methods of silk reeling.

6. What is the importance of grading of agriculture products? Provide the grading for potato, rice, wheat, mango and cardamom.

7. What are the characteristics of weeds associated with major crops of India? Provide their control measures.

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1. (a) धराने अनौषधीय औषधियाँ किस प्रकार उत्पादित किए जाते हैं? धराने की उत्पादनीयता कैसे सुनिश्चित किया जाता है?

What are the advantages and disadvantages of silkworm seed area? Describe any two methods of silkworm breeding.

(b) नारिंद्र वायरस प्रदर्शन कैसे किया जाता है?

Describe scientific package for production of banana.

2. सबसे प्रथम अल्फाल्फा यूनिट किस प्रकार संरचित किए जाते हैं? आयरन्स का इस्तेमाल आयुर्विज्ञान में किस प्रकार किया जाता है?

What are the criterion set for delineation of centres of origin of cultivated plants? List the eight centres of origin with one example for each.

3. आमेरिका के क्षेत्र तथा विश्व के क्षेत्र में अमेरिका के क्षेत्र में आमेरिका की स्थापना कैसे हुई?

What are the nutrient related deficiency disorders in human? Describe alleviation measures for the same.

4. मगुरु किस तरह से मनोरंजन उत्पादक के रूप में उपयोग किया जाता है?

Provide improved production technology for tasar and muga silk varieties.
5. (a) Explain integrated management of pests in cotton and redgram.
(b) Define plant growth. Explain the growth stages of rice.

6. Describe the steps involved in certified seed production.

7. What are the principles of plant disease control?

8. (a) Describe the government price policies for output and inputs in agriculture.
(b) Discuss the effect of food subsidies on poverty alleviation and on national economy.