

MODEL QUESTION PAPER 2021-22

AGRONOMY

Class- XI

Time-3hrs15minutes

MM.50

Note: First 15 minutes are allotted for the candidates to read the question paper.

Instruction:

- (i) All questions are compulsory.
- (ii) Question Nos. 1 to 5 are Multiple Choice Type. Question Nos. 6 to 10 are definite answer type which should be answered in one sentence each. Question Nos. 7 to 11 are Very short answer type each of which is to be answered within 20 words. Question Nos. 12,13 and 14 are Short answer type to be answered within 200 words. Question Nos. 15,16 and 17 are Long answer type to be answered in about 300 words each.
- (iii) Marks allotted to the questions are written against them.

Multiple Choice Type Questions

1. Four alternatives are given in each part of this question. Select the correct alternative and write it in your answer book.
- (a) The father of Dwarf variety of wheat. 1
 - (i) D. Condole
 - (ii) Robert Bredbood
 - (iii) Dr. Norman E. Borlaug
 - (iv) Vivilove
 - (b) S.R.I. method is used for sowing crop. 1
 - (i)Paddy
 - (ii)Barseem
 - (iii)Tobacco
 - (iv)Sugarcane
 - (c) Percentage of Brix in riping sugarcane. 1
 - (i) <10%
 - (ii) >17%
 - (iii) 10-16%
 - (iv) 25%
 - (d) Khaira disease is found in crop. 1
 - (i) Maize
 - (ii) Wheat
 - (iii) Paddy
 - (iv) Sorghum
 - (e) Which one is not a major nutrient. 1
 - (i)Phosphorus
 - (ii)Nitrogen
 - (iii)Potash
 - (iv) Sulpher

Definite Answer Type Questions

2. Write the seed rate of Barseem for one hectare. 1
3. Write the name of two hybrid variety of maize. 1
4. Write the yield of musturd per hectare 1
5. Write one utak disease resistant variety of gram . 1
6. Write the seed Rate of potato per hectare. 1

Very Short Answer Type Questions

7. Write two causes of water lagging. 2
8. Write the name of two Nitrogenous fertilizers. 2
9. What is the meaning of Arrowing. 2
10. Write the name of two green manure crops. 2
11. Write the seed treatment of sugarcane. 2

Short Answer Type Questions

12. Classify the essentials nutrients of plants. Describe any one main nutrients. 4
13. Write the general measures to control the environmental pollution. 4
14. What is green manure. Write the name of the crops of green manure. Write the method of its use. 4

Long Answer Type Questions

15. Discuss the cultivation of gram under the following heads. 6
 - (i) Suitable soil and seed rate.
 - (ii) Sowing time and seed treatment.
 - (iii) One major insect and its control.

OR

What is acidic soil. Write the causes of acidic soil formation and describe the measures to improve Acidic soil.

16. Discuss the cultivation of potato under the following heads. 6
 - (i) Recommended varieties.
 - (ii) Manures and fertizers.
 - (iii) Plant protection.

OR

Describe the methods of sowing paddy with the half of S.R.I. method.

17. Write a short notes on any three of the following. 6
- (i) Blind hoeing
 - (ii) Crop rotation
 - (iii) Wilt disease
 - (iv) Soil profile
 - (v) Seed production of Barseem.