

## Model Question Paper 2021-22

### Class-10

### Agriculture

**Time: 3 hours 15 minutes**

**Maximum marks-70**

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

Instructions: Answer all questions. Marks allotted to each question have been indicated against it.

1. It is a multiple-choice question containing *five* parts. *Four* alternative answers have been given for each part. Select the correct answer and write it in the answer-book in serial order:
  - (a) Which of the following is/are necessary for soil conservation ? **1**
    - (i) Obstruction (Medbandi) of a field.
    - (ii) Plantation.
    - (iii) Sowing cover crops.
    - (iv) All of these.
  - (b) Old and cheap source of irrigation in Uttar Pradesh is- **1**
    - (I) Pond
    - (II) Well
    - (III) Canal
    - (IV) Tube well
  - (c) The percentage of nitrogen in **urea** is- **1**
    - (I) 26.60%
    - (II) 46.00%
    - (III) 25.00%
    - (IV) 18.00%
  - (d) Foot Sprayer is operated by- **1**
    - (i) Hand
    - (ii) Foot
    - (iii) Motor
    - (iv) All of these
  - (e) Mealy bug affects- **1**
    - (i) Mango
    - (ii) Guava
    - (iii) Papaya
    - (iv) Lemon
1. (a) Write two measures to control water erosion of soil. **2**
- (b) Write the name of two erosion resistant crops. **2**

- (c) Which fruit trees can be irrigated by Ring method. 2
- (d) Name any two crops suitable for irrigation by furrow method. 2
- (e) Write the name of two nutrients that plants absorb from soil. 2
2. (a) Write the names of two phosphorus fertilizers. 2
- (b) Draw a diagram of **Basin or Ring** method of irrigation. 2
- (c) Write the names of two diseases of wheat. 2
- (d) Write the botanical name and family of Potato. 2
- (e) Write the names of two varieties of Guava. 2
3. (a) Write the names of three erosion resistant crops. 3
- (b) Write three measures of soil conservation. 3
- (c) Write three advantages of **Sprinkler irrigation**. 3
- (d) Write three advantages of **Drip irrigation** method. 3
4. (a) Write the names of three nitrogenous fertilizers. 3
- (b) Write the names of any three Potassium fertilizers. 3
- (c) Write three major advantages of tillage 3
- (d) Write three improved varieties of tomato 3
5. Describe the cultivation of Wheat under the following headings. 2+1+2+1+1=7
- (a) Selection of soil and preparation.
- (b) Two improved varieties
- (c) Time of sowing and seed rate per hectare
- (d) Manures and fertilizer per hectare
- (e) Yield per hectare
6. Describe the cultivation of Bottle gourd under the following headings. 2+1+2+1+1=7
- (a) Selection of soil and preparation.
- (b) Two improved varieties
- (c) Time of sowing and seed rate per hectare
- (d) Manures and fertilizer per hectare
- (e) Yield per hectare
- OR**
- Describe the cultivation of Tomato under the following headings. 2+1+2+1+1=7
- (a) Soil and its preparation
- (b) Two improved varieties
- (c) Time of sowing and seed rate per hectare
- (d) Manure and fertilizer per hectare
- (e) Yield per hectare

7. Describe the cultivation of Mango under the following headings.

**2+1+2+1+1=7**

**(a)** Selection of soil and preparation of pits

**(b)** Two improved varieties

**(c)** Manures and fertilizers

**(d)** Time & distance of plantation

**(e)** Time & method of irrigation