

HALF YEARLY EXAMINATION, 2024-25

AGRICULTURE

Time – 3:00 Hrs.

Class – XII

M.M. : 60

Date – 14.09.2024 (Saturday)

Name of the student _____ Section _____

GENERAL INSTRUCTIONS:

1. Please read the instructions carefully.
2. This Question Paper consists of 24 questions in two sections – Section A & Section B.
3. Section A has Objective type questions whereas Section B contains Subjective type questions.
4. Out of the given (6 + 18 =24) questions, a candidate has to answer (6 + 11 =17) questions in the allotted (maximum) time of 3 hours.
5. SECTION A - OBJECTIVE TYPE QUESTIONS (30 MARKS):
 - i. This section has 06 questions.
 - ii. Marks allotted are mentioned against each question/part.
 - iii. There is no negative marking
6. SECTION B – SUBJECTIVE TYPE QUESTIONS (30 MARKS):
 - i. This section contains 18 questions.
 - ii. A candidate has to do 11 questions.
 - iii. Do as per the instructions given.

SECTION A OBJECTIVE TYPE QUESTIONS

- Q.1 Answer any FOUR out of the given 6 questions on Employability skills. (4x1=4)**
- i. Ram, Vinay and Sandeep are working as a team to finish the geography project. Vinay is sharing his thoughts. What are Vinay and Sandeep supposed to do?
A. Listen actively B. Play C. Go around the school D. None
 - ii. It is marked by an ongoing pattern of varying moods, self-image and behavior. These symptoms result in impulsive actions and problems in relationships.
The stated symptoms are of which personality disorder?
A. Schizoid B. Borderline C. Antisocial D. Narcissistic
 - iii. Rahul spends 30 minutes every day watching news. He writes down few sentences about what is said. What is he trying to do?
A. Practicing listening B. Practicing News C. Practicing Movements D. None
 - iv. Shouting shows we are angry. Talking very slowly shows we are tired or sleepy. What part of non-verbal communication helps us understand this?
A. Smile B. Hand movements C. Tone of voice D. Eye movements
 - v. What kind of stress can lead to lifelong physical and mental health issues?
A. Short term B. Long term C. Mid term D. Good stress
 - vi. Which is known as language of the soul?
A. Music B. Dance C. Meditation D. None of these

- Q.2 Answer any FIVE out of given 7 questions. (5x1=5)**
- Write the deficiency symptoms of Vitamin B₆.
 - Which nutrient is responsible for disease resistance, drought tolerance and regulation of water usage in plants?
 - Name the micronutrient that is essential for pollen germination.
 - Name any two bacteria that can be used for preparation of bio-pesticides.
 - Name any two fruit crops that can be good source of carbohydrates.
 - Write the suitable time of soil sampling.
 - Which nutrient is responsible for improving the quantity and quality of leafy vegetables?

- Q.3 Answer any SIX out of given 7 questions. (6x1=6)**
- The water content between field capacity and PWP is called_____.
 - Name any two precision irrigation methods.
 - Name the vegetable crop provide maximum vitamin A per unit area.
 - Peak boll formation, boll development & boll opening stages are critical stages of irrigation for which crop?
 - Name any two nutrients show deficiency symptoms on apical bud.
 - The perennials and fruit trees should be planted in _____ side of the kitchen garden to prevent shade effect.
 - Name any two vegetables for which curing is important.

- Q.4. Name any FIVE out of given 6 questions. (5x1=5)**
- Write any two examples of natural enemies that have been utilizes successfully in pest management.
 - Name any two intercrops that can be grown with wheat for reducing the pest population.
 - Soil productivity can be changed by proper nutrients management and INM. Is the statement true or false?
 - Name any two fruit crops suitable to grow in kitchen garden.
 - An organism that derives its nutritional requirements from another organism, killing it slowly or not killing it at all is known as_____.
 - Hot water treatment is given to which crop to prevent anthrachnose disease?

- Q.5 Answer any FIVE out of given 6 questions. (5x1=5)**
- Name the nutrients that are moderately mobile in plants.
 - Which green manure crop can be used for reclamation of saline- alkaline soil?
 - Why irradiation treatment is important for onion & potato?
 - Write the principle form of phosphorus & hydrogen that can be up taken by plants.
 - Name the crops for which you can use azotobacter for increasing yield.
 - Name any two horticultural plants having medicinal importance. Write the medicinal property also.

Q.6 Answer any FIVE out of given 6 questions. (5x1=5)

- i. Mention any two organic sources of nutrients that can be used by the farmers doing organic farming.
- ii. Crop residues are an important component of INM. Justify this statement.
- iii. Enlist the methods of bio-fertilizer application.
- iv. Localised placement is suitable for application of which type of fertilizer/nutrient?
- v. Which nutrient is important for oil seed crops for increasing oil content?
- vi. Under which schemes Rhizobium culture, Phosphate solubilizing bacteria is provided to farmers for promoting organic farming?

SECTION - B SUBJECTIVE TYPE QUESTIONS

Answer any THREE out of 5 questions on Employability skills in 20-30 words. (3x2=6)

- Q.7 What to do during the beginning of an interview?
- Q.8 Why self motivated individuals are important?
- Q.9 Write the signals of non-verbal communication.
- Q.10 Indicate the four steps of active listening.
- Q.11 Explain about some sources of motivation.

Answer any THREE out of 5 questions in 20-30 words. (2x3=6)

- Q.12 Why there is need of organic farming.
- Q.13 Enlist different types of oil cakes.
- Q.14 What is soil fertility?
- Q.15 Define precooling treatment. Write suitable examples of crops in which precooling is followed.
- Q.16 Indicate the role of Agriculture in carbon cycle.

Answer any TWO out of given 3 questions in 30 to 50 words each. (3x2=6)

- Q.17 What is modified atmospheric storage?
- Q.18 Why pulsing treatment is important for flowers?
- Q.19 Enlist the advantages of organic manures.

Answer any THREE out of given 5 questions in 50 to 80 words each. (4x3=12)

- Q.20 Indicate the disadvantages of drip irrigation. Enlist different components of drip irrigation with the functions.
- Q.21 What is compost? Explain about Indore method of composting.
- Q.22 Explain about importance post harvest management of horticultural crops in relation with Indian economy.
- Q.23 Which points should be considered at the time of soil sampling? Explain about any one method of soil sampling in detail.
- Q.24 What is organic farming? Indicate the principles of organic farming.

