



# PRINCE ACADEMY

## OF HIGHER EDUCATION

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### SAMPLE PAPER- SET-2 (2024-25)

Time : 03 : 00 Hours

CLASS :- XII-AGRICULTURE (808)

M.M. : 60

#### 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 hrs
5. All questions of a particular section must be attempted in the correct order.
6. SECTION A - OBJECTIVE TYPE QUESTIONS (30 MARKS):
  - i. This section has 06 questions.
  - ii. There is no negative marking.
  - iii. Do as per the instructions given.
  - iv. Marks allotted are mentioned against each question/part.
7. 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.
  - iv. Marks allotted are mentioned against each question/part.

#### SECTION- A :

#### OBJECTIVE TYPE QUESTIONS

1. Answer any 4 questions out of given 6 questions on Employability skills : (1 x 4 = 4 marks)

(i) Which of the following is not a barrier to Active listening ?

- (a) Giving feedback
- (b) Noisy environment
- (c) Not maintaining an eye contact with the speaker
- (d) Not being attentive.

(ii) Which of the following is characterised by an extreme feeling of self importance ?

- (a) Narcissistic personality disorder
- (b) Borderline personality disorder
- (c) Dependent personality disorder
- (d) None of these

(iii) Ravi has feelings of emptiness, abandonment and suicide. What type of personality disorder is this ?

(a) Borderline                      (b) Dependent                      (c) Avoidant                      (d) Obsessive

(iv) What is a sentence?

(a) A group of ideas that form a complete paragraph

(b) A group of words that communicates a complete thought

(c) A set of rules that we must follow to write correctly

(d) A set of words that contains basic punctuation marks

(v) What does S stands in acronym SMART to set goals?

(a) Specific

(b) Sustainable

(c) Special

(d) Safety

(vi) A \_\_\_\_\_ is an arrangement of cells in a horizontal manner.

(a) Column

(b) Row

(c) Cell

(d) Worksheet

**2. Answer any 5 out of the given 7 questions. (1 x 5 = 5 marks)**

(i) Name any two Nitrifying Bacteria ?

(ii) Write the tension (bar) value of field capacity and PWP.

(iii) Write any two examples of pest controlled by sanitation.

(iv) Give any two deficiency symptoms of Potassium in plants.

(v) What is Allelopathy ?

(vi) Enlist is principles of Organic Farming ?

(vii) What do you mean by Hill placement.

**3. Answer any 6 out of the given 7 questions. (1 x 6 = 6 marks)**

(i) Name any two low analysis Fertilizer.

(ii) Name any two concentrated Organic Manure.

(iii) Name any two disease caused due to deficiency of Calcium in human body.

(iv) Give any two functions of Boron in plants.

(v) Write the name of various castes in bee colony.

(vi) Scientific Name of Paddy straw Mushroom.

(vii) Name any two suitable fruits for Jam making.

**4. Answer any 5 out of the given 6 question. (1 x 5 = 5 marks)**

(i) Define the Jelly ?

(ii) Define the Blanching ?

(iii) How much sugar and salt concentration used in fruit preservation.

(iv) What is Spawning ?

(v) Name of any two Medicinal Mushrooms.

(vi) What is Hiving process ?

**5. Answer any 5 out of the given 6 questions.**

**(1 x 5 = 5 marks)**

(i) Any two importance of Vermi-compost.

(ii) What do you mean by Carbonation ?

(iii) Name any two value added products of tomato.

(iv) Name the two ultra-micro nutrients

(v) ICMR, New Delhi, recommendation of consumption of fruits per capita every day for balance diet is.

(vi) Name any two propagation structures used in nursery

**6. Answer any 5 out of the given 6 question.**

**(1 x 5 = 5 marks)**

(i) Type of water which forms very thin film around soil particles and is not available to the plants.

(ii) Early vegetative, tasseling and silking stage are critical stage of irrigation of crop.

(iii) Name any two compulsory legislations for quality control of foods.

(iv) Treatment done with dematerialized water supplemented with germicides and acidified with citric acid to pH 4.0-5.0 in order to restore the turgor of flowers wilted after harvest, storage or transport is known as

(v) Name the chemical preservative which is commonly used products having natural colour such as anthocyanins.

(vi) A nutrient which is essential component of Adenosine Triphosphate (ATP) which is directly responsible for energy transfer reactions in plants.

### **SECTION B:**

### **SUBJECTIVE TYPE QUESTIONS**

**Answer any 3 out of the given 5 questions on Employability skills :**

**(2 x 3 = 6 marks)**

7. How to ensure Active listening ?

8. Describe any four factors affect Active listening?

9. Explain the ways to Manage Stress.

10. Write any four advantages of Presentation Software.

11. List four characteristics of entrepreneurship.

**Answer any 3 out of the given 5 questions**

**(2 x 3 = 6 marks)**

12. Classify the Nutrients on the basis of deficiency symptoms at plant.
13. Describe about CA storage ?
14. Describe any two mechanical method of Insect control.
15. Enlist different methods of composting.
16. What is Mega Food Parks Scheme?

**Answer any 2 out of the given 3 questions**

**(3 x 2 = 6 marks)**

17. Describe about Drip irrigation system with labelled diagram.
18. Explain about following.
  - (i) Conditioning and Impregnation of Cut Flowers.
  - (ii) Various stages of Life Cycle of silk worms.
19. Define the Apiculture ? Describe about the different species of Honey bee.

**Answer any 3 out of the given 5 questions**

**(4 x 3 = 12 marks)**

20. What is Irrigation ? Enlist the methods of Irrigation of India and Describe any two surface irrigation Methods with labelled diagram.
21. Explain about various methods of lawn making.
22. What is Bacteriostatic methods ? Explain about Drying of foods and use of Chemical Preservatives.
23. Discuss about the various schemes of Government of India for promotion of organic farming in India.
24. Discuss in detail the various post-harvest factors affecting the post-harvest quality of flowers.

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