Time : 1½ Hours   **AGRICULTURE (SOLANACEOUS CROP)**
                                                            (NSQF)

Subject Code

☐ **S** ☐ **1** ☐ **0** ☐ **9** ☐ **1** ☐

Total No. of Questions : 4   **(Printed Pages : 8)**   **Maximum Marks : 40**

INSTRUCTIONS :   (*i*)   Write the question number and sub-question number carefully.

(*ii*)   *All* questions are compulsory.

(*iii*)   Figures to the right indicate full marks.

1.   (A)   Select and write the most appropriate alternative given below each statement and rewrite complete statement.   ½×6 = 3

(*i*)   You need to apply leave at work ? Which method of communication will you use ?

•   e-mail

•   Poster

•   Newsletter

•   Blog

(*ii*)   What are the types of words we should use for verbal communication ?

•   Acronyms

•   Simple

•   Technical

•   Jargons

(*iii*)   What makes you complete work or studies without other cheering you ?

- Self-confidence
- Communication
- Self-motivation
- Self-esteem

(*iv*)   Ravi works hard to get the best student award at the end of the year. What type of motivation is this ?

- Internal
- External
- Both internal and external
- Not any specific type of motivation

(*v*)   Which of the following functions is not performed using a mouse ?

- Turn on
- Hover
- Right click
- Drag and drop

(*vi*)   Which of the following is a valid file extension for notepad file ?

- .jpg
- .doc
- .text
- .txt

(B)   Answer the following questions in *four* sentences each :   2×2=4

(*i*)   State any *four* functions of an entrepreneur.

(*ii*)   What are the basic ways in which people can help towards sustainable development goals ?

(C)   Attempt the following questions :   1×3=3

    (*i*)   Define communication.

    (*ii*)   State any *two* qualities of self-motivated people.

    (*iii*)   Define Irrigation.

2.   (A)   (1)   Compare the co-ordination in first pair and complete the second pair :   ½×2=1

    (*i*)   Tomato : 600 – 800 mm : : Brinjal : _____

    (*ii*)   APEDA : 1986 : : NABARD : _____

    (2)   Give the single term for the following definition :   ½×2 = 1

    (*i*)   Drop by drop application of water through emitters to the plants.

    (*ii*)   Organism that feeds on other insects.

    (3)   Match the following items in column A with correct items in column B and write the correct pair :   ½+½ = 1

Column A   **Column B**

(*i*)   Maturity indices   (*a*)   Falls with maturity

(*ii*)   Acid content   (*b*)   Indicate the stage of maturity

    (*c*)   Eases plucking of fruits

    (*d*)   Important visual maturity index

(B)   Answer the following questions in *four* sentences :   2+2 = 4

    (*i*)   Enlist the role of irrigation water in plants.

    (*ii*)   Classify irrgiation sources with proper examples.

(C) Answer the following questions in *one* line/on the figure given and also state *one* function. 1×3 = 3

(i) Identify the given figure and state *one* function of it.

(ii) If you are a farmer with undulating land but good quality water, which method of irrigation will you prescribe ?

(iii) Define supply.

3. (A) Select and write the most appropriate alternative given below each statement and rewrite complete statement : ½×6 = 3

(i) Damping off is a disease of _____.

• Leaves

• Fruits

• Seedlings

• Flowers

(*ii*) Milky white ooze from a cut stem is the sign of _____.

- Nematode

- Bacterial

- Fungal

- Viral

(*iii*) Botanical pesticides are obtained from _____.

- Animals

- Fungus

- Plants

- Bacteria

(*iv*) Growing different crops in a sequenced season on the same land is called _____.

- Multicropping

- Crop rotation

- Mixed farming

- Sequence cropping

(*v*) What should a strong password consist of ?

- Only letters

- Numbers and special characters

- Name of a person

- Letters, numbers and special characters.

(vi)   Which one of the following shortcut keys is used to paste a file ?

- Ctrl + C

- Ctrl + P

- Ctrl + V

- Ctrl + X

(B)   Answer the following questions in *four* sentences each :   2×2 = 4

(i)   Write difference between broad leaf weeds and narrow leaf weeds.

(ii)   A farmer having land where weed population is very high, so what are the losses caused by weeds to the farmer ?
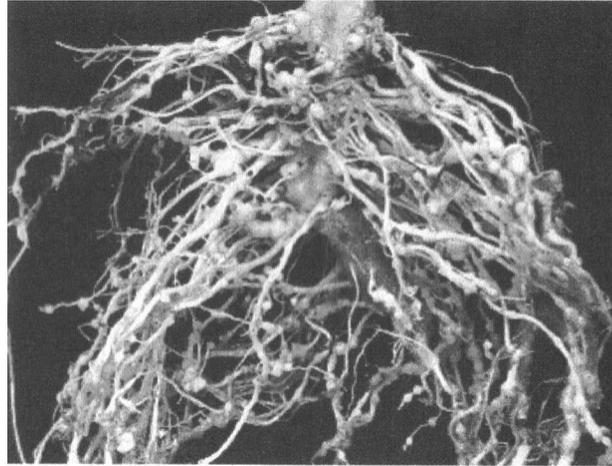
(C)   Attempt the following questions :   1×3 = 3

(i)   Identify the given figure.

(ii)   Define weed.

(*iii*) Identify the given figure.

4. (A) (1) State whether the following statements are True or False :

½×2=1

(*i*) Ripening is associated with increase in respiration.

(*ii*) Curing is an effective post-harvest operation in tomato crop.

(2) Give single term for the following definition : ½×2=1

(*i*) Technique of extracting heat from a substance under controlled condition.

(*ii*) It is the process of separating the damaged, diseased and insect pest affected vegetables that are not suitable for market.

(3) Match the following items in column A with correct items in column B and write the correct pair : ½×2=1

Column A	Column B
(i) Agriculture and Rural Development Bank	(a) Market information
	(b) NABARD
(ii) Marketing Federation of India	(c) APEDA
	(d) NAFED

(B) Answer the following questions in *four* sentences : 2×2=4

(i) Describe the cultural method of pest-management.

(ii) If farmer wants to harvest his solanaceous vegetable crop, what precautions he needs to take during harvesting ?

(C) Answer the following questions in *one* sentence : 1×3=3

(i) Define harvesting.

(ii) Define pest.

(iii) Complete the given figure of methods of pre-cooling :