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Time : 1½ HoursAGRICULTURE (SOLANACEOUS CROP)
(NSQF)

Subject Code

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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. $\frac{1}{2} \times 6 = 3$

(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 : $2 \times 2 = 4$

- (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 : $\frac{1}{2} \times 2 = 1$

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

(ii) APEDA : 1986 : : NABARD : _____

(2) Give the single term for the following definition : $\frac{1}{2} \times 2 = 1$

(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 : $\frac{1}{2} + \frac{1}{2} = 1$

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

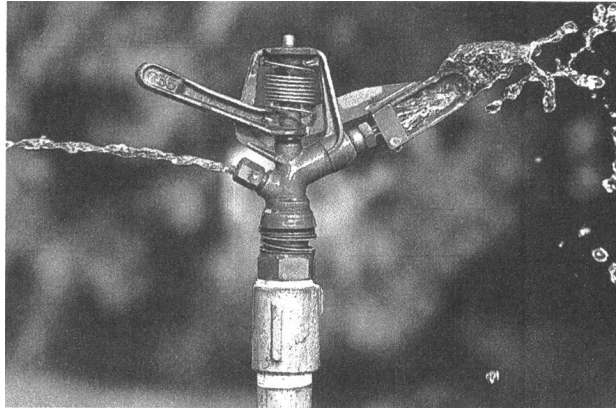
(B) Answer the following questions in *four* sentences : 2+2 = 4

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

(ii) Classify irrigation sources with proper examples.

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

(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 : $\frac{1}{2} \times 6 = 3$

(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 : $2 \times 2 = 4$

- (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 ?

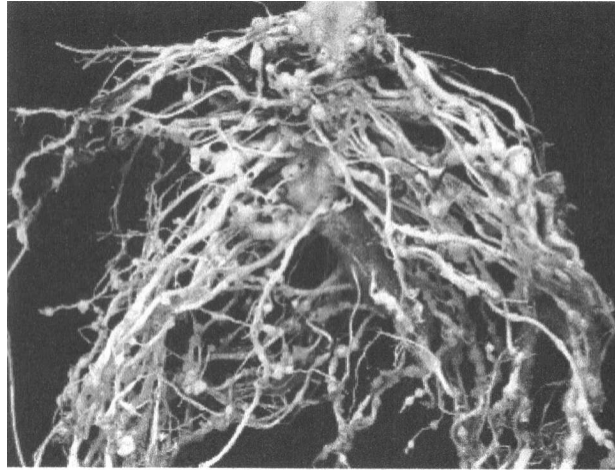
(C) Attempt the following questions : $1 \times 3 = 3$

- (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 :

$\frac{1}{2} \times 2 = 1$

(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 : $\frac{1}{2} \times 2 = 1$

(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 : $\frac{1}{2} \times 2 = 1$

Column A

Column B

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

- (B) Answer the following questions in *four* sentences : $2 \times 2 = 4$

- (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 : $1 \times 3 = 3$

- (i) Define harvesting.
- (ii) Define pest.
- (iii) Complete the given figure of methods of pre-cooling :

