DAY — **23** SEAT NUMBER | | | | | | |

2025	III	12	1500	**J-406**	(E)

AGRICULTURE-MICROIRRIGATION TECHNICIAN (G8)

Time : 3 Hrs. **(4 Pages)** **Max. Marks : 80**

Note : *(1) All questions are compulsory.*

(2) Draw neat diagrams wherever necessary.

(3) Marks are given at the right hand side

(4) Write answers to all questions on new pages.

Q. 1. **(A)** Select the most appropriate answers from the given alternatives and fill in the blanks : **[20]** (5)

(1) _____ is the situation of feeling restless, mental disturbance and disappointment.

(a) Motivation

(b) Positive attitude

(c) Stress

(2) The method of providing water drop-by-drop to the root zone of plant is called _____ irrigation.

(a) sprinkler

(b) drip

(c) flood

(3) Backwash the sand filter for _____ minutes.

(a) 15 – 20

(b) 2 – 3

(c) 5 – 10

(4) A _____ is used to prevent the dripper from clogging.

(a) chlorine treatment

(b) water treatment

(c) fertilizer treatment

(5) A _____ is used to avoid getting poison into the body while spraying.

(a) mask

(b) hand gloves

(c) All of the above

(B) Match the words from the following groups 'A' and 'B' : (5)

	Group 'A'		Group 'B'
(a)	Industry	(1)	Greenhouse gas
(b)	Dripper	(2)	Fertilizer application
(c)	Methane	(3)	Drip irrigation
(d)	Ventury	(4)	Fire
(e)	Physical accident	(5)	Entrepreneur

(C) State whether the following statements are True or False : (5)

(1) Communication is a two way process.

(2) Capital (money) is an important factor for any industry or business.

(3) Urea is a potassic fertilizer.

(4) Drip irrigation system saves 30-80% of water.

(5) Wind energy generates water.

(D) Answer the following questions in 'One' sentence : (5)

(1) What is an Entrepreneur?

(2) Write the methods of micro-irrigation.

(3) What is used to clean the main and sub-main line?

(4) Write the names of natural hazards.

(5) Write the name of component, which is used to measure water pressure.

Q. 2. Answer the following questions in short (Any FOUR) : [12]

(1) Write the information about pumping set.

(2) Write the advantages of green jobs.

(3) Write the principles of Ventury.

(4) Write short notes : Health center.

(5) Enlist various types of 'Data.'

(6) Write short note : Healthy diet

Q. 3. Answer the following questions in short (Any FOUR) : [12]

(1) Draw diagram : Pressure gauge

(2) Write short notes : Motivation

(3) Write the function of flush valve.

(4) Write the types of spreadsheet.

(5) Write the information about phosphatic fertilizer.

(6) How should a first aid kit be structured?

Q. 4. Answer the following questions in detail (Any THREE) : **[12]**

(1) Write about various components of drip irrigation system.

(2) Write the characteristics of an entrepreneur.

(3) Write about the various factors affecting active listening.

(4) Write the process of chlorine treatment.

(5) Draw diagram : Sand Filter

Q. 5. Answer the following questions in detail (Any THREE) : **[12]**

(1) Write advantages of drip irrigation system.

(2) Write the characteristics of a good personality.

(3) Write the steps to close presentation.

(4) Write information about service industry (Seva Udyog).

(5) Write the method to clean lateral line.

Q. 6. **(A)** Answer the following questions in detail (Any ONE) : (6) **[12]**

(1) Draw well labelled diagram of a Ventury.

(2) Explain the stages of active listening.

(B) Answer the following questions in detail (Any ONE) : (6)

(1) Draw well labelled diagram of drip irrigation system.

(2) Explain in detail about chemical fertilizers.

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