DAY — **16** SEAT NUMBER | | | | | | |

2025	III	04	1500	**J-382**	(E)

POWER-DISTRIBUTION LINEMAN (F8)

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

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

(2) Draw neat and labelled diagrams wherever necessary.

(3) Figures to the right side indicate full marks.

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

Q. 1. (A) Select the correct alternatives from the following and rewrite the sentences : **[20]** (5)

(1) The output voltage of distribution transformer of single phase system is _____ in India.

(a) 230V (b) 530V

(c) 24V

(2) ____ is what pushes you to go on.

(a) Motivation (b) Disbelief

(c) Apathy

(3) _____ guarding is mainly used for LT lines passing through agriculture field.

(a) PVC (b) glass

(c) Wood

(4) In spreadsheet, letters are used to represent _____ .

(a) cells (b) blocks

(c) columns

(5) _____ is the first stage of active listening process.

(a) Stop talking (b) Receiving

(c) Interpreting

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

	Group 'A'		Group 'B'
(a)	Charts	(1)	To check heart
(b)	Electric voltage	(2)	Joining jump wire
(c)	PG clamp	(3)	Graphical representation of data
(d)	Sleeve joint	(4)	Volt
(e)	ECG	(5)	Aluminium conductor

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

(1) The materials through which electric current flows with high resistance are called bad conductors.

(2) During the evaluation stage of listening, you should evaluate while the other person is speaking.

(3) The smallest particle of an element is known as a molecule.

(4) We must display danger warning board at the place of work.

(5) Class-C extinguishers are suitable for use only on electrically energized equipment fires.

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

(1) Computer spreadsheet cell that is highlighted with a heavy border is called as _____.

(2) Write the meaning of motivation.

(3) Which shortcut key is used to stop the slide show?

(4) Write the use of binding wire.

(5) Write full form of CPR.

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

(1) Write a note on understanding process of active listening.

(2) Enlist the competencies of an entrepreneur.

(3) Enlist green jobs in eco tourism.

(4) Write the causes of damage of conductors.

(5) Write the purpose of electrical safety rules.

(6) What are the general guidelines on maintenance of electrical equipments?

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

(1) Write the types of sentences.

(2) Write the meaning of personality.

(3) What are the general practices an entrepreneur should adopt to acquire the skills of risk management?

(4) Which are the duties and responsibilities of a distribution lineman?

(5) Make a sample checklist for basic electrical safety.

(6) Write the steps for planning a fire drill or exercise.

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

(1) Enlist basic personality traits.

(2) Enlist the active components.

(3) Write about 'guystrain' type insulators.

(4) How can you help to prevent electric shock?

(5) Why is there a need for proper handling of electrical components?

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

(1) Write about inductor.

(2) What do you mean by first aid?

(3) Write the function of safety helmet.

(4) Write safety rules to be followed at electrical workplace.

(5) How do you maintain electrical safety?

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

(1) Describe types of AC distribution system.

(2) Which are the details mentioned on drawing and calculations sheet of transformer?

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

(1) What are the issues of health and safety at work?

(2) Draw series circuit.

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