Version No.			

ROLL NUMBER						

Answer Sheet No._____

Sign. of Candidate _____

Sign. of Invigilator _____

Applied Electrician SSC–I

SECTION – A (Marks 06)

Time allowed: 10 Minutes

Section – A is compulsory. All parts of this section are to be answered on this page and handed over to the Centre Superintendent. Deleting/overwriting is not allowed. **Do not use lead pencil.**

Q.1 Fill the relevant bubble for each part. All parts carry one mark.

(1) Current flows through a circuit, having 20Ω resistance, the amount of applied voltage is 100V then the current is:

A. 4A ◯ B. 5A ◯

C. 7A ◯ D. 12A ◯

(2) Cells are connected in series to:

A. Increase power ◯ B. Increase current ◯

C. Increase voltage ◯ D. Increase resistance ◯

(3) Magnetic flux is denoted by:

A. Ø ◯ B. ϴ ◯

C. ϵ ◯ D. ω ◯

(4) In DC circuit VI is used to find:

A. Current ◯ B. Voltage ◯

C. Flux ◯ D. Power ◯

(5) Which of the capacitors is preferably used at higher frequency?

A. Electrolytic ◯ B. Ceramic ◯

C. Polarized ◯ D. Constant ◯

(6) The strongest password consists of:

A. Letters and numbers ◯

B. Numbers and symbols ◯

C. Letters and symbols ◯

D. Letter, symbols and numbers ◯

Federal Board SSC-I Examination
Applied Electrician
(Curriculum 2021)

Time allowed: 2.00 hours Total Marks: 24

Note: Answer any seven parts from Section 'B' and attempt any two questions from Section 'C' on the separately provided answer book. Write your answers neatly and legibly.

SECTION – B (Marks 14)

Q.2 Attempt any **SEVEN** parts from the following. All parts carry equal marks. Be brief and to the point. (7 × 2 = 14)

i. State Ohm's law.

ii. Compare primary and secondary cells.

iii. What is electromagnetic induction?

iv. A potential difference of 24 volts is applied across a resistor of 6Ω. Calculate the current and the power dissipated.

v. Enlist types of electrostatic capacitors.

vi. Define social media.

vii. Name few popular inductors.

viii. What is equalent resistance of 4 and 8 ohms resistance connected parallel?

ix. Define magnetic lines of forces.

x. Define semiconductor.

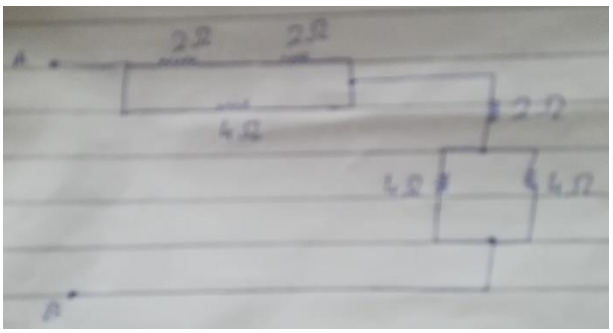
SECTION – C (Marks 10)

Note: Attempt any **TWO** questions. All questions carry equal marks. (2×5 = 10)

Q. 3 Apply Faraday's laws of electromagnetic induction.

Q. 4 Explain any two types of capacitors.

Q. 5 Find the equalent resistance of the following circuit:



* * * * *