SB	Roll	No
J.D.	IVOII	INO

MODERN ELECTRIC TRACTION 6TH Exam/5235/Elect./May-2017

SECTION-B

Q 2. Attempt any five question:-

5x6=30

- i. State the main requirements for an ideal traction system.
- ii. Why the series motor is ideally suited for traction duty?
- iii. What is the function of tap changer? Explain.
- iv. Write notes on:- (a) Sectioning and paralleling post. (b) Elementary section.
- v. Explain the principle of linear induction motor..
- vi. What type of installation is necessary for rail coach air conditioners?
- vii. Compare AC and DC system of traction.

SECTION-C

Q3. Attempt any Three question:-

3x10=30

- 1. Explain speed time curve. Also discuss the factors affecting slip.
- 2. (a) Classify electric traction system in detail.
 - (b) Discuss Kando system
- 3. Discuss types of electric braking. What are the advantages of regenerative braking?
- 4. Explain modified train lighting system with diagram.