Total No. of Questions: 10 J [ Total No. of Printed Pages: 3
Roll No
EX-7201(N)
B. E. (Seventh Semester) EXAMINATION, Dec., 2010 (New Scheme)
(Electrical & Electronics Engg. Branch)
EHV AC AND HVDC TRANSMISSION
(Elective – II)
[EX-7201(N)]
Time: Three Hours
Maximum Marks : 100
Minimum Pass Marks : 35
Note: Attempt any five questions. All questions carry equal marks. One question from each Unit is compulsory.  Unit-I  L. (a) Explain the operation of Garetz circuit with the derivation for output voltage.
(b) Explain the kinds of d. c. links with their characteristics.
Or  2. (a) Compare the power transfer and reactive power flow  6 in EHV AC and HVDC transmission system.
(b) A bridge connected rectifier is fed from a 220/110 kV
transformer with primary connected to 220 kV.
cumulation angle is 15° and the delay angle is 30°.

## Lieit-II

- (a) What are FACIS devices ? How are they affective in handley the powerful is the time I
  - the Baylan der working of Hyrian-annualed wines enpociosi.

- (a) Compare the largermance of afficers upon of ecetoollors.
  - (b) Write a note no matic VAE compromotor.

## Unit-III

- (s) Discuss the problems associated with the harmonics' introduced by the HVDC openints. Explain the comedial measures of his excepts.
  - QC.-With a next presention thapsen replies the realiretrical D. C. Hain
- a tay What is pround remote ? Deplays the problems passenged with the use of ground or entert conductor.
  - thy. Write a sone on Cemental (see Julian).

## thdi-1V

- (D) Discon desired. Instrum of cortest of TIVDC nature.
- (b) Eighth comme estination tages secure transique Med to EHVOC search
- in our Wass are the profilers and adventages of parallel operation of HVAC and DC system?
  - the Who are the techniques for everything the purpot values of executor of 15VDC amongonia source ?

## ting-V

- (iii) How Agreery and switching surges are committed in a THREE TWOOD
  - (b) Dome for cases of overvoluga in managinist HEETE

100 m

- III. (a) Docum the development of marking wave on a averboad line.
  - the West are the factors affecting the Taracters or terrorradion of transmission lines 9 Dismos the factors to be considered for their.