Industrial Drives

Important Question

Unit - 01

- 18: What is an electroice drive? Define the need of electroic drive.
- 28!- Eaplain the working of an electric drive by using block diagram.
- 30: How many types of Dc motor ? Explain any one of them in detail.
- 48!- Explain the constrouction and working of permanent magnet motor.

6- Marks Question Polytechnic Academy Patna

- 50:- Explain the working of series and shunt D.C motor with equivalent circuit diagram.
- 69:- What is an universal motor of Explain
 the constrouction and working of an
 universal motor.
- FO: Explain the constrouction and working of DC servo motor.
- 89: Why starters are used for starting of DC motor? Explain the working

2

of two point starter.

59:- What do you mean by braking? How many types of broking weed in DC motor?
Explain one of the braking method in details. Polytechnic Academy Patna

Unit - 02

- 10:- Explain the construction features and principle of single phase induction motor.
- 29: Describe the working principle of resistance split. phase motor.
- 30: Describe the working operation of single-phase induction motor using capacitor our motor.
- 20! Explain the resorking of shaded pole

6-Marks Buestion Polytechnic Academy Patna

- 50:- Eaplain the constrauction and working of squiroel cage three phase induction motor.
- of 3-4 induction mortor & Worte

the name of different type of starter for 3-phase induction motor and explain in brief any one of them.

70: Who What is the meaning of braking for
three phase induction motor? Explain
all-type of braking method in shoot.

Unit-03 (4+6 Marks)

18: Explain the working of half-wave converter drive using neat circuit diagram. Polytechnic Academy Patna

28: Explain the circuit operation of full wave converter.

39!- Explain the circuit operation of three phase half wave converter drive.

49:- Explain the circuit operation of three phase full-wave converter drive. Polytechnic Academy Patna

5.01: Explain the speed control methods of DC series motor Unit - 04 (4+6 Montes) 18: What is the starting method of three-phase induction motor ? Write the name of all type of starting method. Polytechnic Academy Patna 20; Explain the statos voltage control to speed control of induction motor. How the speed of induction motor can controlled by changing the forguency. Explain the speed control method to soon by votor resistance control of induction motor.

Polytechnic Academy Patna 59: Explain the slip power recovery scheme (SPRS) for speed control

of induction motor.

Unit -05

(4+6 Mark) (3)

- 1.09! Explain the function of microprocessor based control for drive.
- 20!- Explain the operation of phase locked loop control of DC motor
- 39: Explain the function of synchronous motor drives.
- 40:- Explain the function of stepper motor drives.

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